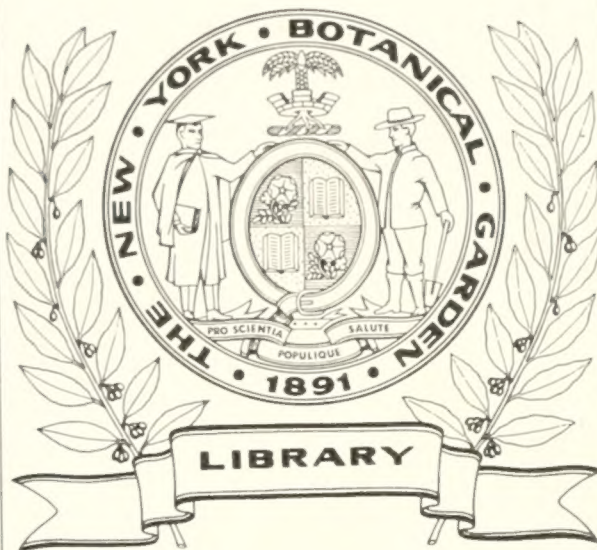


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# HORTICULTURE



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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Pope*.

## Compost for Winter

On any place where plants are grown commercially there should be at all times a supply of soils ready for immediate use for whatever purpose needed. Aim to have a good pile of soil hauled and placed under cover where it can be kept dry. Now is a good time to look into this very important matter, and at the earliest possible date get soil and manure together and work them over at the rate of three of soil to one of manure. Success with any kind of plants depends much on the kind and condition of soil in which they are growing.

## Orchids

At this time of the year it will be advisable to modify the temperature in the various departments as growth and root action are not very active from now on. The cool house should be given a night temperature of about 50 to 55 degrees, day with sun about 65 degrees, without sun anywhere from 58 to 60 degrees. The intermediate house can be kept about 55 to 60 degrees at night, with a rise to 70 degrees with sun, but without sun around 65 degrees will do. In the warm house 60 to 65 degrees at night will be high enough with a rise to about 75 degrees during bright days, but during dull days 70 degrees will fill the bill. Now that the shortest days are with us, with less sunshine, more fire heat will again be necessary for all cool orchids. It is better to have a gentle warmth running through the pipes with ventilation than to try to bottle up some heat by shutting down the houses early. Such treatment often produces the right condition for the spread of fungus or spot. By the middle of February the temperature can be increased.

## Freesias

From now and up to the middle of January will be in good time to start Easter crop of freesias. Fill 6-inch pans with a rich compost of fibrous loam three parts, and one part of cow or stable manure. Place from 16 to 18 bulbs in each pan and hold at about 50 degrees at night. Water with care until they become well-rooted when they should have plenty. Later on they will stand a temperature of 55 to 58 degrees. Keep them well up to the glass and on all good days give a spraying overhead. As they become tall give some support to keep them upright. When they have filled the pans with roots they can have liquid manure once a

week. Move them into more heat or retard with a cooler house as needed to strike the Easter date.

## Sweet Peas

During these short days feeding must be done with extreme caution or the plants may drop their buds. Cow manure water well diluted is a safe stimulant, and a light top-dressing of fine bone, pulverized sheep manure or cow manure, not too fresh, can be applied. The surface soil should be loosened after applying the manure, before watering is done. There are several possible causes for the sweet peas dropping their buds. Fumigation with tobacco stems if overdone will cause it, so will the use of nitrate of soda, dried blood, sulphate of ammonia and other fertilizers high in nitrogen. Dryness at the roots would also cause it as would cold draughts. Do not let the temperature go below 48 degrees at night and 50 degrees is better. On dull days let the temperature run up to 58 or 60 degrees, and 5 degrees higher on sunny days will be to their liking.

## Winter Protection

Beds and borders containing hardy herbaceous perennials will need a winter mulch, not so much for protection as to prevent the plants from being lifted or loosened by alternating freezing and thawing. Let the soil freeze and cover the surface first sufficiently to keep it in a frozen state for the next two months and a half. This holds good not only with bulb stock but with most of our perennials. This mulch may consist of leaves, straw, coarse manure, hay or any other suitable material which must be kept in position by boards, brush, corn-stalks or some other light covering. Most of the bulbs we make use of for outdoor planting can stand quite a little winter weather but when planted a few inches deep and the soil freezes one week and thaws out the next, only to freeze again, stock suffers and frequently perishes if this happens often enough.

## Placing Seed Order

Whenever the 1916 catalogues come to hand, make up your lists and send them in without delay. This will give the seedsman a chance to deliver your order early. There are plenty of seedsmen saying they can fill orders the same or next day after receipt of order, but this does not hold good during the rush season from now on. The seedsmen advertising their business in HORTICULTURE are the leaders in the trade and they can supply everything you will require.

Next Week:—Asparagus; Fuchsias; Gardenias; Geraniums; Primulas for Next Christmas; Starting a Diary.

## INDEX TO VOLUME XXII

Those of our subscribers who bind their volumes of Horticulture or who for any other reason may wish to have the index to the contents of Vol. XXII—July 1 to December 31, 1915, will be supplied on application. THEY ARE NOW READY.

## Rudbeckia

When a florist selects the fairest of the world's produce regardless of origin and nativity. But supposing we should once be called on to draw the line and select the fairest to be shown in the January issue of their gardens. Would our gardens perceptibly lack beauty in color and effect? Not a whit. The flora of our country affords a surprisingly high number of worthy plant species. As a few I mention *Coreopsis lanceolata grandiflora*, hardy asters, golden rod, *Philox divaricata canadensis*, *Lilium superbum*, *Cypripedium acaule* and the wonderful *Cypripedium spectabile*. Last, not least, I call attention to the subject of this note—the genus *Rudbeckia*, so truly American. The garden varieties and here particularly the well known *Rudbeckia laciniata* Golden Glow rank among the showiest garden flowers of the world. Unpretentious as to soil, exposure and care it is a glorious perennial for mass effects and in a cut state a most useful material for indoor decoration. Its spreading root growth, allowing frequent divisions, is no doubt accountable for its wide distribution but in the end its decorative qualities have made the Golden Glow the perennial of the people, seen everywhere.

Appreciation of the single medium-high yellow varieties, *Rudbeckia Newmannii*, *nitida* and *subtomentosa* is evidenced by the liberal space they are granted on our herbaceous borders. The characteristic dark center contrasting beautifully with the bright yellow petals, the free-flowering habit and the fact that they continue blooming for at least two months make single rudbeckias well nigh indispensable. Less known appears to be the tall-growing *Rudbeckia maxima* distinguishable by its attractive glaucous foliage and large bright yellow single flowers. A clump of this variety with its many long-petaled blossoms borne on slender but wiry stems swaying in a light breeze is indeed a fascinating sight.

The more robust growing Giant Purple Cone flower—*Rudbeckia purpurea*—is also a valuable garden flower.



larity. Equally valuable for garden effect as for filling vases, producing flowers from 4 to 5 inches across, with deep claret-red petals surrounding the large cone-shaped dark brown center, this variety is indeed a very showy midsummer perennial. Raised from seed sown in spring, it flowers the second year. Our illustration shows the effect of a plantation of two-year-old plants. Well manured ground and open sunny exposure are essentials if perfection of growth is desired. Do not divide or transplant *Rudbeckia purpurea* late in fall. As a rule it does not take kindly to this treatment. Spring is the better time for planting and propagating.

Glenade, Pa.

Richard Roth

## Genista (Cytisus)

Two species of the *Genista*—properly *Cytisus*—commonly grown by the florist, are *C. carnariensis* and *C. racemosus*, both evergreen forms.

They are usually propagated by seeds sown in February or by cuttings of the green wood struck in sand any time from December to February. As soon as rooted, they should be potted and thereafter shifted as necessary. To obtain bushy plants they should be pinched back from time to time and should not be allowed to become pot-bound. The young plants should be kept under glass all summer and shaded a little. By winter, they will be in five-inch pots.

In the fall, the plants are placed in a cool, light, airy house and watered carefully. Do not force them with a higher temperature. About the first of January they may be given 55 degrees. Red spider is an enemy of this plant and syringing should be attended to regularly. The plants will be in full bloom in March and will find a ready Easter sale. By giving them a night temperature of 45 degrees they can be had in flower in April. Cut the plants back when they are through flowering and repot as soon as they start new growth. After repotting keep them in a closed house and well syringed until all danger of wilting is over. After that give

them plenty of air. A slightly shaded house will be of advantage. During the summer—July and August—the old plants may be plunged out of doors.

*Genistas* may also be propagated by layers or by grafting. For ordinary grafting, *C. nigricans* is used as the stock, while for standards, *Laburnum vulgare* is commonly employed. For those plants grown in the greenhouse, *C. carnariensis* is used.

*C. racemosus* is the better commercial plant. It is also known as *Genista formosa*. A variety—*Everestiana*—has flowers of a deeper yellow shade and is very free flowering. *C. carnariensis* is the common *genista*. It has yellow fragrant flowers and blooms from May to July. *C. maderensis* is not as good as the other two. It has yellow flowers and has but little fragrance. *C. scoparius*—Scotch broom—also known as *Sarothamnus scoparius*, is a hardy shrub growing to a height of ten feet, good for naturalizing and covering unsightly and exposed banks, etc.

C. E. WILSON.

C. E. Wilson,

Amherst, Mass.

## ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur Ruzicka*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

### The First Potting

The batch of cuttings that was put into sand the latter part of November or the first days of December, will now be ready for potting. Make sure that the pots are clean. More trouble with young plants can be traced to dirty pots than to any other cause. The first potting should be in 2½-inch pots. Two-inch pots are too small—not for the cuttings but because the plants have to be shifted into larger pots so soon after the first potting, thus making much more work. We use no crock at all in the small pots unless the soil happens to be heavy. Then a little screened coal ashes will do very nicely. Use only enough to cover the bottom of the pot slightly. Make sure that the cuttings are put deep enough for shallow potting is not very desirable. If the cuttings are not put in deep enough trouble will be experienced when syringing later on and then the plants will not break as freely from the bottom after they are set in the benches. We find we get much better stems from plants that were potted deep enough at the first potting. Use nice porous soil, not too heavy, as the roots will work into lighter soil much easier. The heavy soil can be used later for repotting into the larger pots. Use only about a four-inch potful of bonemeal to a wheelbarrow of soil. If more were to be used it might damage the roots as these are very tender the first week or so on leaving the sand.

### Where to Put the Plants

The best and sunniest bench on the place is none too good. We generally take out the old plants and about two inches of soil with them. The rest of the soil is left in the bench and after getting a good coat of fresh air-slacked lime, is covered with two inches of finely screened ashes. These have to be quite fine, otherwise the pots will not set good. Needless to say, the ashes should be leveled, as should the soil before the lime and ashes are put on. See that there is no lime sticking out

through the ashes anywhere on the bench for if the pots were set on this it would soon stop up the drain in the bottom of each and the plants would not thrive. Where labor does not matter so much it would be a good plan to take out all the soil in the benches, wash these out and whitewash them. Then put on two or three thicknesses of newspaper and spread the screened ashes over this. There will be no danger then of the young stock contracting any disease or insects from the old soil.

### Care in the Propagator

If the sand in the propagator is to be used again great care should be taken to remove all dead leaves, pieces of broken roots, and cuttings. If any of this were to remain in the sand, fungus would attack these remains and then when the new lot of cuttings came in chances are that it would spread to these too and cause trouble. Where sand is cheap and labor not considered it would be well to use fresh sand after thoroughly cleaning the benches. With care, however, we have used the same sand three or four times without any trouble whatever.

### Shading the Cuttings After Potting

It will be necessary to shade the newly potted cuttings carefully the first few days. For this purpose use two thicknesses of old newspaper for the first three or four days. One sheet can then be used and, depending on the weather, can be left off an hour in the morning and taken off an hour earlier at night. This time can be prolonged as the roots take hold and finally the plants are shaded only at noon when the sun is very bright. Should air currents in the house pick up the papers, sprinkle them over now and then with the hose. Growers sometimes scatter a little earth over the papers to hold them down, but this is not very good for in taking the papers off some of the earth is bound to get into the pots, and these are then apt to get a little too full here and there, which will upset the evenness of their drying out.

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# HORTICULTURE

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### The President's message

We give especial prominence this week to the very sanguine and inspiring greeting of the new President of the Society of American Florists and Ornamental Horticulturists. We hope his rosy predictions of advancement in numbers and usefulness for the Society and its members may be abundantly fulfilled. The horticultural industries have, in the S. A. F. as constituted today, one of the most serviceable agencies ever devised for concentrated energy which shall in return benefit all. Mutual helpfulness is the keynote of such an institution and if that is freely forthcoming, substantial progress is assured. Let everyone—North, East, South, West—give the new president the support which he solicits.

Adieu,  
1915

The year 1915 has been a memorable one and memorable events have followed one another in rapid succession. It came in with foreboding signs and hurried with incredible moments and all of suddenness. Whether it has done for us or failed to do for us as individuals or as a profession, it has settled beyond recall and it is for us now to face the young dawn of the New Year with the hope that "every atom and tolls as tomorrow will be better." Remembering the quotation that "Things at the worst will pass, let us climb upward to what they were before" and with the unmistakable evidence all around us that the worst is over and decisive improvement well under way, we can now readily forget and forgive the past for all its deficiencies and move on into the sunlight and the promise of a Happy and Prosperous New Year.

### Retrogression

House Bill 636 introduced by Representative Anderson, providing for the abolishment of the special mail rates which have applied to seeds for a period of more than a generation, and substituting therefor regular merchandise rates, is a retrogressive measure on which Congress should waste no time. Seeds are the foundation of all prosperity and the action taken so long ago as a stimulus to their wide distribution was a recognition of this fact, as was also the custom of sending out free seeds, in its original intent. The latter under present methods, as everybody knows, has come into disrepute, but we fail to see how the government can consistently put the burden of double postage rates upon the small garden planters who pay for their seeds, while at the same time it is loading the mails annually with eighty or ninety million packets of gift seeds on which no postage whatever is paid. If any change is to be made in postage on seeds, let it be in the direction of lower, not higher, rates. It costs no more to transport and deliver seeds than it does periodicals and it would be a mighty poor grade of seed that would not exceed in its worth to the people some of the literature that finds its way into the second-class mail.

### A New Year Wish

In a very interesting pamphlet on Credit Policies sent out by a western lumber concern, the last words are "A Sale is only a Loss until the bill is paid." We venture to suggest that very few of our readers have ever regarded their business transactions quite in that light and yet the losses due to credit giving—even that which is carefully considered as well as that given indiscreetly—occur to all of us with a frequency which should be sufficient to convince us of the hard truth underlying the aforesaid conclusion. Eagerness to make sales, to increase the gross amount of business transacted and quantity of goods handled, is undoubtedly the largest factor in loading up our ledgers with accounts collectible—so-called, but too often far from it. We are now at that period of the year when balances are struck and more or less effort is made to clear things up and start with a new clean slate. If we can do this with our collections it will be easy to do it with our payments. On the other hand, if we do it with our payments we help the other man to do his part also. The process of annual settling-up has usually been prolific in failures. If this January should prove the reverse it will be very pleasing and a fine testimonial to the growing stability of commercial horticulture and its allied industries. In extending the compliments of the season to the trade we can think of no better wish than that all may be able to collect in full and to pay in full, everything that the year 1915 has left on the books.

# SOCIETY OF AMERICAN FLORISTS

— AND —

## ORNAMENTAL HORTICULTURISTS

### NEW YEAR'S GREETING

There is no day in all the year that brings more expectant joy to the heart of every man than the advent of a new year. The privilege, as President of the S. A. F. and O. H. of extending to its members and to their families the sincere wish for a happy and prosperous New Year, gives me extreme pleasure.

There is no doubt whatever in my mind but that it will be a prosperous year, and inasmuch as prosperity and happiness go hand in hand, I can readily assume that it will be a happy one. Trade conditions throughout the country are very healthy. We have harvested the largest crops in our history and this is the back-bone of prosperity in any country.

We have more to hope for in the year 1916 than we have ever had before. Our Country has been saved from the horrible calamity which has overwhelmed Europe and we are hopeful that we will be spared from such a fate, not only this year, but for all years to come.

It is with great personal gratification that I can look upon the S. A. F. and O. H. as more truly a National Body than it has ever been. The Convention held in San Francisco in 1915, was in my opinion, a step forward. Its convening in Houston, Texas, in 1916 will be another step toward making it a really National Organization in every sense of the word. By extending our Conventions to the West and South, we not only benefit those sections, but the Society itself gains much by securing large numbers of recruits from the new territory which has thereby become attached to it. Every section of the country is benefited, and the members are already drawn closer together than ever before, forming a universal brotherhood for the promotion of all that is beneficial to the individual and to the Society as a whole.


As the President of this worthy Organization I am proud to be able to send a kind greeting to all the craftsmen of the Society. Our membership is increasing steadily and I know that it will continue to do so. This larger membership will make it possible for us to undertake in the future many things that would be otherwise impossible. I am particularly desirous that every man associated with our profession should have the opportunities which our Society affords and as a slight stimulant toward increasing our membership, I am offering \$150 in gold the same as was done by my predecessor, Mr. P. Welch. This I will hand to Mr. John Young, secretary, as an award to the member who will bring in the largest number of new members between the period January 1 and July 31, 1916—the only stipulation being that the winner must bring at least thirty new members.

I hope that the Vice-President in every state, as well as every member of the Board of Directors, and every permanent committee, will co-operate with me in pushing forward this endeavor to increase our membership. In order that these heads may attain the required success it will be necessary for every individual who is fortunate enough to be a member of the S. A. F. and O. H. to give forth his best efforts, for "In Unity there is Strength," and if these efforts are put forth untiringly, we will beyond a doubt soon have a membership list three times what it is today.

It is the sincere desire of this Society to build up a permanent Institution founded on a pillar of fairness and goodwill, and I hope every member will lend his efforts to this end.

Again extending a message of hearty good wishes and unbounded blessings for the New Year, I am,

Faithfully yours,



President.

## CLUBS AND SOCIETIES

### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTI- CULTURISTS.

Appointments by  
President D. MacRorie.

**President.**—(Re-elected term of R. C. Kerr) W. J. Keimel, Elmhurst, Ill.  
**First Vice.**—Alfred J. Rossi, San Francisco, Cal.; Charles L. Baum, Knoxville, Tenn.

**ENTOMOLOGICAL SHOW COMMITTEE.**  
**SIX YEARS.**—Patrick Welch, Boston, Mass.

**WASHINGTON REPRESENTATIVE.**  
Wm. F. Gude, Washington, D. C.

**ADVISORY AND LEGISLATIVE COMMITTEE.**  
Wm. F. Gude, chairman, Washington, D. C.; James McHutchison, New York; Wm. F. Kasting, Buffalo, N. Y.; Ralph M. Ward, New York; Julius Roehrs, Rutherford, N. J.; Wm. H. Siebrecht, Jr., Long Island City, N. Y.

#### COMMITTEE ON SCHOOL GARDENS.

Benjamin Hammond, chairman, Beacon, N. Y.; Irwin Bertermann, Indianapolis, Ind.; Gust. X. Amrhyn, New Haven, Conn.; Michael Barker, Chicago, Ill.; Leonard Barron, Garden City, N. Y.

#### BOTANIST.

John Dunbar, City Hall, Rochester, N. Y.

#### PATHOLOGIST.

George L. Peltier, Urbana, Ill. (University of Ill.)

#### ENTOMOLOGIST.

Dr. T. F. Headlee, N. J., Agriculture Exp. Sta., New Brunswick, N. J.

#### STATE VICE-PRESIDENTS.

Alabama—W. B. Paterson, Jr., Montgomery.  
Arkansas—Thomas Shelton, Fayetteville.  
California—Hans Plath, San Francisco—North; Fred Howard, Los Angeles—South.  
Connecticut—H. C. Neubrand, Cromwell.  
Colorado—Emil Glauber, Montclair. District of Columbia—George H. Cooke, Washington.  
Florida—C. D. Mills, Jacksonville.  
Georgia—A. C. Oelschig, Savannah.  
Idaho—Mrs. M. W. Krumm, Hansen.  
Illinois—Leonard H. Vaughan, Chicago—North; E. W. Guy, Belleville—South.  
Indiana—G. R. Gauze, Richmond—North; W. J. Vesey, Jr., Fort Wayne—South.  
Iowa—Roy F. Wilcox, Council Bluffs.  
Kansas—Chas. P. Mueller, Wichita.  
Kentucky—Geo. E. Schulz, Louisville.  
Louisiana—Wm. Allen, New Orleans.  
Maine—A. E. Thatcher, Bar Harbor.  
Maryland—George Morrison, Carroll P. O.—South; N. L. Flitton, Baltimore—North.  
Massachusetts—W. J. Kennedy, Chestnut Hill—East; A. J. Loveless, Lenox—West.

## Meetings Next Week

### Monday, Jan. 3.

Connecticut Horticultural Society, Hartford, Conn.  
Florida Horticultural Society, Tallahassee, Fla.  
Horticultural Club, New York City.  
Horticultural Society, New York City.  
Horticultural Society, New York City.  
Horticultural Society, New York City.  
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Horticultural Society, New York City.  
Horticultural Society, New York City.  
Horticultural Society, New York City.

### Tuesday, Jan. 4.

California Horticultural Society, Los Angeles.  
California Horticultural Society, Los Angeles.  
California Horticultural Society, Los Angeles.  
California Horticultural Society, Los Angeles.  
California Horticultural Society, Los Angeles.  
California Horticultural Society, Los Angeles.  
California Horticultural Society, Los Angeles.  
California Horticultural Society, Los Angeles.  
California Horticultural Society, Los Angeles.  
California Horticultural Society, Los Angeles.

### Wednesday, Jan. 5.

Florida Horticultural Society, Tallahassee, Fla.  
Horticultural Club, New York City.

### Thursday, Jan. 6.

St. Louis Florist Club, St. Louis, Mo.  
Southampton Horticultural Society, Southampton, N. Y.

### Friday, Jan. 7.

North Shore Horticultural Society, Manchester, Mass.  
North Shore Horticultural Society, Lake Forest, Ill.  
Pasadena Horticultural Society, Pasadena, Calif.  
Yonkers Horticultural Society, Yonkers, N. Y.  
People's Park Cottage Gardeners' Association, Paterson, N. J.

Michigan—A. J. Stahelin, Redford—North; John R. Van Bochove, Kalamazoo—South.  
Minnesota—C. N. Ruedlinger, Minneapolis.  
Mississippi—S. W. Crowell, Roseacres.  
Missouri—Wm. L. Rock, Kansas City—North; F. H. Meinhardt, St. Louis—South.  
Nebraska—Irwin F. Frey, Lincoln.  
Montana—T. E. Mills, Helena.  
New Hampshire—Donald McLeod, Concord.  
New Jersey—J. G. Esler, Saddle River.  
New York—J. H. Pepper, Hempstead East; S. A. Anderson, Buffalo—West.  
North Carolina—J. Van Lindley, Pomona.  
North Dakota—M. Bartholomew, Williston.  
Ohio—C. E. Critchell, Cincinnati—South; G. W. Bate, Cleveland—North.  
Oklahoma—Lou Foster, Oklahoma City.  
Oregon—J. B. Pilkington, Portland.  
Pennsylvania—H. S. Betz, Philadelphia—East; Ben. L. Elliott, Pittsburgh—West.

Rhode Island—Geo. L. Stillman, Westerly.

South Carolina—C. A. Moss, Spartanburg.

South Dakota—W. T. March, Mitchell.

Tennessee—Chas. W. Church, Knoxville.

Texas—A. Koeber, Sherman.

Utah—R. Miller, Farmington.

Vermont—W. E. Peters, Burlington.

Virginia—F. Steinbach, Richmond.

Washington—J. W. Duncan, Spokane.

West Virginia—C. P. Dudley, Parkersburg.

Wisconsin—W. A. Kennedy, Milwaukee.

Alberta—A. M. Terrill, Calgary.

Manitoba—H. E. Philpott, Winnipeg.

Ontario—H. Dilleuth, Toronto.

Quebec—Geo. A. Robinson, Montreal.

Holland—Wm. H. DeGraff, Hendrick, London.

### Department of Registration.

Public notice is hereby given that Lager & Hurrell, Summit, N. J., offer for registration the Cattleya mentioned below. Any person objecting to the use of the proposed name or registration is requested to communicate with the Secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Cattleya Percivalliana "Roeblingiana"; sepals and petals pure white, lip rose and crimson purple with a broad white border; discovered December, 1915.

Public notice is hereby given that Lager & Hurrell, Summit, N. J., offer for registration the Cattleya mentioned below. Any person objecting to the use of the proposed name or registration is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Description—Cattleya Percivalliana "Roeblingiana." Sepals and petals pure white, lip rose and crimson purple with a broad white border. Discovered, December, 1915.

JOHN YOUNG, Sec'y.

December, 27, 1915.

### MISSOURI STATE HORTICULTURAL SOCIETY.

The annual meeting of the Missouri State Horticultural Society will be held at the Planters' Hotel, St. Louis, on Wednesday, Thursday and Friday, January 12, 13 and 14, 1916. A cordial invitation is extended to all having any interest in fruits, flowers or vegetables. The St. Louis Florists' Club is cooperating, and will be represented at the sessions, and joins the society in extending an invitation to fellow workers from all parts of the state and elsewhere.

Thursday morning session, Jan. 13, will be devoted to floricultural topics, the program for this session being as follows:

Floriculture and the State, Prof. J. C. Blair, University of Illinois, Urbana.  
Cultivation of Flowers under Glass.

Outdoor Flower Gardening, J. Bourdett, St. Louis.

Hardy Trees, Shrubs and Herbaceous Plants for the Missouri Home, W. W. Ohlweiler, Mo. Botanical Garden, St. Louis.

Novelties in Fruits and Flowers, A. Jaenicke, St. Louis.

The Pursuit of Beauty, John Noyes, Mo. Botanical Garden, St. Louis.

An Official Flower for Missouri, Miss Marie Goodman, Kansas City.

#### CLUB AND SOCIETY NOTES.

The next regular meeting of the Florists' Club of Washington, D. C., will be held at 1214 F Street, Northwest, Tuesday evening, January 4. The officers of the club are planning an extensive entertainment for that evening.

At the last meeting of the New Jersey Floricultural Society, officers for 1916 were elected as follows: President, Henry Halbig; vice-president, Max Schneider; treasurer, Edward A. Manda; secretary, Geo. W. Strange.

The Florists and Gardeners' Club of Rhode Island held a well attended meeting, Monday evening, Dec. 27, in Swart's Lodge Hall, Providence. Plans were made for the installation of officers on Jan. 24 and at that time the club will have its annual feast and entertainment. A committee composed of Robert Johnston, Eugene A. Appleton and Al Macrae were appointed to have charge of the arrangements. The supper is to be followed by an entertainment. After the business session of the meeting, the members engaged in a beneficial discussion of subjects allied with the trade. S. A. G.

The National Cooperative Committee of the National Association of Gardeners has issued a communication to local horticultural societies to supply a series of papers on horticultural subjects for discussion at their monthly meetings during the year 1916. The committee announces that this offer is also extended to any other horticultural organization or educational institution and it will be glad to hear from those that would be interested to receive the papers, which will be provided as outlined in its letter. If any of the horticultural societies or clubs have been overlooked and not received a letter, but desire to obtain this service, the committee asks them to communicate with the secretary, M. C. Ebel, Madison, N. J. This service will be free of any expense to the local societies, the motive for this offer being solely to arouse a greater interest in horticulture and to develop a greater cooperative spirit among those engaged in the profession of gardening.

#### "A REMARKABLE CAREER".

An observing correspondent sends the following—

The velvet poinsettia is seen everywhere in all seasons. It has had a remarkable career. It was disseminated by the florists' supply houses only recently, but has proven so prolific that not only all florists but all other stores can furnish it in quantity. Its keeping qualities are unsurpassed—what is not sold this year, can be kept till the next. Unlike most flow-

ers, its holiday price is more "reasonable" than at any other time. It combines well with other prepared material and saves the retail florist a trip to the wholesale market where his money would be spent. The regular color is red, but white ones have lately appeared which will help in funeral work, and in due time we may expect to see them come in blue and orange. So popular has the velvet poinsettia become that its originators and disseminators are now turning their attention to the introduction of thistles and other attractive offerings, and if equally successful will soon eliminate the ice box nuisance from the flower store!

#### DINNER TO THEODORE WIRTH.

A dinner was given by two hundred citizens of Minneapolis at the Minneapolis Club to Park Superintendent Theodore Wirth in honor of the tenth anniversary of his assuming his position. Following the toasts a handsome



THEODORE WIRTH.

silver service was presented to Mr. Wirth.

In his response, Mr. Wirth showered praise on the founders of the park system and on his fellow workers, and detailed the history of the park system.

"Three main features of our parks appealing to us," Mr. Wirth said, "are the strong support of the citizens in the upbuilding of the recreation grounds, the harmonious spirit of our executive boards, and the completeness of the plan and its execution. Our parks are not detached, but connected in a chain of drives, lakes, gardens and groves. That is largely because few changes have been made in the personnel of the board of commissioners and the officers, and because of the absence of politics in the work."

"We will need but little more land, and our main work is to provide for play spaces. We must be willing to pay as we go, by assessments, for we can get little more by bond issues."

Mr. Winston was chairman and Mr. Snyder, toastmaster. Each program carried a photograph of Mr. Wirth.

#### BRITISH HORTICULTURE.

##### Perpetual Flowering Carnation Society

This flourishing Society held its winter show in London on Dec. 8th. A high standard was reached in the quality of the blooms. An award of merit was granted to Mrs. Mackay Edgar, a very fine light pink bloom, described as an improved May Day. This was shown by Stuart Low & Co., Bush Hill Park, Enfield, Middlesex. There was only one exhibit in the class for American novelties distributed since Jan. 1st, 1912, for the challenge cup offered by the American Carnation Society. This was secured by Wells & Co., who showed excellent samples of Laura Webber, Champion, and Pink Sensation. The best vase of British raised seedlings, shown by Countess Derby, was awarded Mrs. Norman's challenge cup. In the trade section the following awards were made: Gold medals, Allward Bros. and Stuart Low & Co.; large silver medals, A. F. Dutton and J. C. Jenner; silver gilt, J. West; large silver medal, W. Cutbush & Sons; silver medal, Misses Price and Fyfe.

##### New Chrysanthemums.

The floral committee of the National Chrysanthemum Society have granted first-class certificates to the following new varieties: Crimson Velvet, a decorative single, crimson, with broad golden zone, by Wells & Co. December Bronze, a golden bronze market variety, by Cragg, Harrison & Cragg. James Fraser, deep sulphur yellow, exhibition, Wells & Co. Yellow Perfection, yellow single, and December Beauty, reddish bronze single, by Norman Davis.

##### Charging a "Gate" at Kew.

Commencing on January 1 the public are to be charged for admission to the Royal Botanic Gardens at Kew. Hitherto this splendid collection of floral treasures has been free to the public any day in the week, and the privilege of inspecting the gardens and conservatories has been largely taken advantage of by visitors from all parts of the world. In 1914 the number of persons who visited the gardens totalled 4,082,011, and there has been no noticeable falling off this year. Kew Gardens have been pre-eminent in the botanical world since 1773. In the preceding year George III was induced to send one of the gardeners to the Cape of Good Hope, "providing his expenses do not exceed £200 a year," and he brought back forty species of new plants. This collection placed the gardens at Kew above the Paris Jardin des Plantes and the Upsala Botanic Gardens, both of which previously claimed to possess the finest variety of plants in Europe. Afterwards collectors were sent at the expense of the government to India, China, Brazil, Fiji, Australia and the Philippines. The present proposal, which is made on economical grounds, is being stoutly resisted by the residents in the district. The local Borough Council has appointed a deputation to make a protest to the Board of Agriculture.

*W. H. Adsett.*

## THE HORTICULTURIST AS KING.

ANONYMOUS. THE HORTICULTURIST AS KING. THE HORTICULTURIST AS KING. THE HORTICULTURIST AS KING.

Satan of the passions regarding our future, tremble as with their castles.

"To him that overcometh, will I grant to sit with me in my throne." But how is it down here? Thou crownest him with power and honor. Thou hast put all things under his feet."

Into fields where feet of angels come not, we are chosen as partners of the Heavenly Father to make this a more fruitful and beautiful world.

In our work, the details on our attitude regarding our calling. We can plod like an ox or like Markam's semi-brute man with the hoe and make that the badge of servitude to toil, or we can make it a wand in a magician's hand to call forth radiant forms of beauty from the somber earth to smile upon us and load the air with fragrance. We can live down in the basement of Horticulture or in the upper story.

Man is coming to his own. The savage trembled at the lightning stroke which shivered the mighty oak. Little knew he that here was a giant at play waiting to be tamed and harnessed so he could be the most obedient servant—ready at the Master's beck to leap a continent, dive under an ocean, draw heavy trains, and run acres of machinery. Man reaches out his wand and steam, gas, and oil rise up to do his will.

If, with the advance of civilization, he wants beautiful things to adorn person or home, he finds subterranean gardens of precious gems almost priceless in value—gems that are immortelles—flowers that never fade—prophets all of the "glory to be revealed."

You have heard of the marvelous Persian garden of gems—four hundred feet in length and ninety feet wide—made to imitate the most beautiful blooms of earth. It cost millions upon millions. Do you know that it is in your power, with the advance of floriculture, to create gardens far more resplendent in beauty—great gardens of delight fit for the touch of angel's feet, while the whole is flooded with billows of sweetest perfume. Three years ago that was a patch of barren earth. Now you have pulled down a section of paradise upon it and condensed there the tints of the morning, the splendors of the evenings, the beauty of the rainbow, and the effulgence which flames in the mantels of the suns.

I love to think of Nature as a person—first born daughter of God. Her head white with the snows of the centuries, her cheeks radiant with the flush of recurrent springtime, emblems of eternal youth. She takes you by the hand, leads you into the forests, talks to you of the soul of the tree, tells you how intelligent it is. There is one standing in the open. It has performed a feat no civil engineer can emulate. Think of those roots so busily scurrying around in the earth, gathering food to send up the cambium high-way to nourish the tree. See the tent cords thrown out to anchor it against the storms. Look at those trees on the outskirts. Among wild animals the strongest are on guard on the outside to protect the herd. So

## SUMMER BEDDING AT HIGHLAND PARK, ROCHESTER, N. Y.



Formal bedding in park adornment has not been done as extensively in recent years as formerly. It had been overdone and inappropriately done and this abuse was the cause of its discredit. But the instance shown in the accompanying picture will certainly not offend but appeal rather to the judgment of any person with an eye to the fitness of things. The pub-

lic parks of Rochester stand second to none in this country as furnishing examples of good taste and judgment in planting. Most of the planting is of natural character, presenting many marvelous views and charming vistas. That a bit of neat formal plant adornment is not despised even in Highland Park, our illustration of the scrollwork on the slopes of the reservoir at the entrance of the park goes to prove.

these sentinel trees guard their wards against the storms. Fool man cuts down the guards and the wards fall before the sweep of the storms. Mother Nature—dear friendly soul—takes you into her holy of holies and reveals her mysteries. She makes a confident of you. She throws open her doors and shows you the wide vistas of a new land you may enter and glorify. Follow her direction and what a friend you have. Cross her, thinking you know more than she does, and she laughs at you. She takes you into the garden and the nursery and discloses her wonders and helps you to work miracles. You plant seeds and bulbs, and beauty rises to greet you. Did you ever think of the royal position of the florist and horticulturist?

The sacred poet speaks of the "labor of the olive." What a flood of light that opens upon us. "All things are yours." Let us go out into the grove you have planted. I once took off my hat to myself. While living in the Republican valley near the 100th meridian, I planted some bull pine seed. When the little trees were large enough, I transplanted them in rows six feet apart and started a miniature forest. Twenty-five years after I went to see them. The rows were straight. The trees had fine bodies six inches through. They were miniature columns in a temple, holding up a canopy of green. The ground was covered with a thick carpet of needles. It was one of the most pleasing sights I ever saw. Then I thought, "What if I had planted forty acres?" I would have had a Mecca to which horticultural pilgrims would have flocked from hundreds of miles. I planted the trees and the faithful servants had kept on working day and night and that beautiful grove was the result. Every tree you plant is your servant and how faithful it is—no shirking—always at it whether you are looking or not. Look at that cherry tree. How the tiny rootlets scurry through the soil—

loyal children gathering food to send up to their mother. Look at that flood of bloom. Then the fruit grows till a mass of red gleams from the leafy coverts. There is a great difference between a patch of brown earth and your faithful Jonathan. What a marvel that little patch of soil, absolutely milked by those busy foragers, and the extracts of it glowing in red beauty on the tree. Talk of chemists. Those quiet rootlets surpass them all.

If you want to be in the realm of miracles, lay down your hoe a while and sit among your flowers. Your brain devised the plan, your hand planted the seeds and bulbs. "Behold the lilies, how they grow." Now sit there and think it out. At your feet are artists no human skill may imitate. Two peonies grow side by side. Golden harvest opens with yellow petals fading to purest white. In the center is a miniature Festiva Maxima—blood drops and all. How can those roots send up the golden tints; the snowy white and the red, and never have the colors mixed? Close by is a Plutarch, deep brilliant red. The roots intermingle. How is it possible to pick out of the dull soil, Nature's eternal drab, that brilliant color for your peony? There are your Irises—the newer sorts absolutely indescribable. There are a dozen different shades in a single bloom. But those blind artists at work in their subterranean studios never make a mistake. The standards must have just such colors, the falls just such tints, and where did they get that dazzling radiant reflex such as you see on Perfection Monsignor and Black Knight? But it is always there shimmering in the sunlight. There is a fairy—a pure snowy queen. How was that sweetness and purity ever extracted from the scentless soil? Every bloom uncorks a vial of perfume which has the odor of the peach blossom.

Did you ever sit down in your Kingdom and see what a royal throne you

occupied? What a reception your flowers give you. The ambrosia and nectar of the feasts of the deities of fable are overshadowed by the fragrance and sweetness of your worshippers. It would seem that every flower, like a royal subject, was bent on rendering the most exalted honor to her king.

No company of maidens preparing for nuptials were ever arrayed like these. The highest art ever displayed in the palaces of kings hasn't any comparison to the beauty and splendor of your reception. By divine right you are supreme. The fertile soil puts her tributes at your feet. For you all the viewless influences of nature are at work. For you the sun shines and the showers fall. So brothers, don't creep, but mount up as on eagles' wings. Don't live all the while in the basement. Spend some time in the upper story of your calling.

You are not making the earth weep blood. You are not spreading on the fields a carpet of mangled forms. You are not dropping ruin and death from the skies or polluting God's pure waters with submarines. You are not turning all your energies into the work of destruction, despoiling the treasures of art and the pride of the ages and turning the fairest portions of the earth into desolations. You are not changing yourselves into demons to gloat over starvation and ruin.

See what you have done! You have clothed the dreary plain with gardens, orchards, and forests. Instead of the air sodden with tears and tremulous with the wail of widows and orphans, you are welcomed with the joy of children and the delight of mothers. When you pass on to the land where "everlasting spring abides" may you receive the royal welcome "Well done, good and faithful servant."

#### SAN FRANCISCO.

D. Raymond of the Garden City Potteries Co. has left for the east to look over the products of some of the pottery factories.

Jesse I. Jewell and Guy E. Grosse have opened an agency in Santa Rosa, Cal., for the well-known Fancher Creek and Kirkman nursery products.

Violet shippers enjoyed a very heavy demand for violets the week before Christmas. The American Express Co. had to put on an extra car to care for the final orders.

John H. W. Field has withdrawn from the recently organized Bay Counties Seed Co. at 404 Market street, leaving his partner, E. Milton Tonini, sole proprietor of the business.

The week before Christmas, Pelicano, Rossi & Co. maintained a branch at 135 Sutter street to relieve the congestion at their main shop on Kearny street. Plants were featured at the temporary location and a very satisfactory clean-up was reported.

The Art Floral Co. on Powell street was obliged to secure additional space to handle its holiday trade, the overflow from the main shop being stored in a large basement across the street, where it could be reached on short order. P. Epstein reported this their best Christmas business.

## News Items From Everywhere

#### BOSTON.

The Florists' Bowling Association resumed its schedule on Thursday evening, Dec. 30.

Ladies' Night at the Gardeners' and Florists' Club will be on January 18, 1916, at which time the new officers will be installed. The date of the annual banquet, which will take place at the American House, has been set for February 9th.

The most remarkable case of long-keeping of violets that we have seen was a shipment of flowers of the old Parma single from California which was received in Penn's store a few days before Christmas. Fragrance was gone, of course, but many of the flowers retained their color and crisp, fresh appearance most surprisingly.

R. & J. Farquhar & Co., have opened out on to three floors in the building which they acquired adjoining their original building on South Market and have been remodeling. One floor is devoted to the draughting work of the landscape department, and another to the vegetable seed department, materially relieving the congestion in the old quarters.

John P. McCarty, for the last eight years with P. Carbone, severed his connection there on Dec. 31, and took a position for M. Rice Co., of Phila. He will travel over the northern and western section formerly covered by R. Schalk. Having traveled for Mr. Carbone for the last four years over the same route he has made a lot of friends who wish him success in his new position.

#### CHICAGO.

The first Purity freesia arrived Christmas week. It is large and long stemmed.

Not much need of new price lists. Christmas is over but Christmas prices remain.

Sam Pearce cut his first jonquils December 16, and will cut steadily untill spring.

Miss O'Neil, bookkeeper at Geo. Reinberg's wholesale store had a sad Christmas, her father having passed away on the 24th.

La Grippe is no respecter of persons and many florists are in its clutches. E. Wienhoeber the north shore florist is one of them.

Probably violet sales touched the million mark Christmas week. Think of bunching one million violets! Who wouldn't rather have the returns?

The arrival of six Ficus elastica from Mississippi caused the express company a little unusual work to deliver. They required a 20 foot box and were safely set down at the Winterson's Seed Store where they were already sold at ten dollars each.

#### PROVIDENCE, R. I.

Joseph E. Koppelman has decided to move his greenhouses from Oaklawn to Riverside. A contract has been let for the taking down of six houses which are of iron construction for the most part. This will add to his Riverside range two houses 30 by 200, two 30 by 150, and two 20 by 150. Greater access to the Providence market is one of the reasons for the change of location.

William E. Chappell, Secretary of the Florists and Gardeners' Club, is slowly recovering from the serious injuries which he received a week ago by a fall in his home, although he is not able to get around and take care of his business. Mr. Chappell was going down the cellar stairs of his home when one of the top treads gave way and he fell nearly to the cellar bottom. His left leg was caught in such a way that the muscles were badly sprained and made it necessary to keep off his feet for several days.

The severe snow and wind storm which visited Rhode Island last Sunday, when the wind attained a new record of 82 miles an hour, did considerable damage to property. The chimney on the Hamden Meadows Greenhouses was blown over, but fortunately the houses escaped the shower of brick. Work was immediately begun to rebuild the chimney and they succeeded in saving the stock in the houses. The wind ripped out the end of one of the houses of the Norwood Floral Company and a portion of the roof. There were few houses that did not lose more or less glass. Fortunately the temperature hovered around the freezing mark and this allowed repairs to be made without the loss of stock.

**Chatham, N. J.**—After some spirited bidding in Referee Atwood L. DeCoster's court of bankruptcy, transformed temporarily into an auction room, the realty holdings of Samuel Lum, florist, were sold on Dec. 20, for \$26,050 by Corra N. Williams, trustee in bankruptcy. The successful bidder was Elmer King, a Morris County attorney and Mayor of Netcong, who represented a combination of creditors with claims against the Lum estate aggregating about \$25,000.

Mr. Lum in his schedules placed a valuation of \$96,120 on the real estate. He valued his residence at \$5,000, the greenhouses at \$28,000 and the personal property, including the greenhouse stock, at \$1,150. In addition to the mortgage creditors, those unsecured appear to have claims aggregating \$39,054. The Madison Trust Company and the Centerville Bank of New York are the principal creditors who joined in the bid on the property through Mr. King.

## CATALOGUES RECEIVED

James W. Fernald, Orono, Me.—  
1916-17 Annual Catalogue of Fernald's.

Burnett Bros., New York.—Descriptive Folder and Price List of Novelties in Flower Seeds.

H. V. Lawrence, Falmouth, Mass.—  
Flowering Annuals, Garden and Outdoor Wreaths, Greens, and Flowers.

Scott Brothers, Elmsford, N. Y.—  
Price List of Ornamental Plants, Carnations, etc., for 1916. A carefully chosen list of novelties and standard sorts.

Hjalmar Hartmann & Co., Copenhagen, Denmark.—1915-16 Surplus Offer of Danish Seeds. Hjalmar & Co., New York, and Agents for United States and Canada.

Chrysanthemums, Roses, Carnations and Hardy Plants. The most attractive and readable catalogue in its class which has come to our desk this season. It lists the cream of the new things and the illustrations are very fine.

John H. Dunlop, Toronto, Ont.—An 8-page pamphlet illustrated with views of Mr. Dunlop's magnificent new floral store on Adelaide St., Toronto. Prices of design work, flowers and plants are given, and it will prove useful to the buying public, who are waiting to know.

H. G. Hastings Co., Atlanta, Ga.—Catalogue No. 51 of Hastings' Seeds, Spring 1916. One of the catalogues that impress by their originality and unlikeness to those sent out by "the other fellow." Cover in colors, showing Hastings Prolific Corn on front and Kleckley Sweet Watermelon and Red-field Beauty Tomato on back.

W. Atlee Burpee, Philadelphia, Pa.—Burpee's Annual. "The Plain Truth About Seeds That Grow" is again told in this bright and interesting publication in the same convincing way as in years past. The covers show Sweet Pea Fiery Cross and Blue Bantam Pea and Golden Bantam Sweet Corn in natural colors. The novelty lists are lengthy and there are four pages in colors, one of these showing Fordhook Hybrid Gladioli.

Knight & Struck Co., New York.—1916 General Catalogue. Similar in style, binding, etc., to its predecessors, blue covers, and mailed in a box of corresponding tint. This year's edition is a volume of 336 pages, and being in fine print and minus illustrations, contains an exhaustive list of seeds, plants, bulbs, etc., hardy and tender, with a vast amount of descriptive text and cultural notes and gardening advice. It is unique in its way.

Watkins & Simpson, Ltd., London, England.—Foreign and Colonial Wholesale Catalogue of Vegetables and Flower Seeds, 1916. As a wholesale catalogue this publication has few equals in its typographical excellence, completeness and direct value to the trade. It is well illustrated with portraits of novelties and established favorites in the flower seed line especially. A frontispiece shows the extensive new building now in course of erection

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MASS.

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Matchless, Enchantress Supreme, \$8.00 per 100; \$70.00 per 1000.

Enchantress, British Triumph, White Wonder, Pink Delight, \$7.00 per 100; \$60.00 per 1000.

Lady Bountiful, Lady Northcliff, White Winsor, Pink Winsor, \$6.00 per 100; \$50.00 per 1000. Special rates on large lots.

WOOD BROTHERS  
FISHKILL, N. Y.

CHARLES H. TOTTY  
CHRYSANTHEMUMS  
MADISON, N. J.

WHITMANII IMPROVED—\$5 per 100, \$40 per 1000.

WHITMANI COMPACTA—\$5 per 100, \$40 per 1000.

ROOSEVELTS—\$5 per 100, \$40 per 1000.

BOSTONS—\$4 per 100, \$35 per 1000.

250 at 1000 rates.

H.H. BARROWS & SON, Whitman, Mass.

for their offices and warehouses in Drury Lane, Covent Garden.

Sutton & Sons, Reading, England—Amateur's Guide in Horticulture for 1916. Truly a superb production. 188 pages, magnificently illustrated, several full-page pictures in colors included. Ever to the fore in the raising of improved strains of vegetables, Messrs. Sutton are now offering for the first time a number of new varieties, prominent among which are two fine marrowfat Peas—"The V. C." and "Lord Kitchener." In the potato section a new weight-producing maincrop variety has been added to the unique strain of pedigree seedlings, the distribution of which was commenced in 1912. This latest introduction, Sutton's Gordon Castle, should prove of exceptional interest in view of the national importance of the potato crop.

A large number of pages are devoted to flower seeds. The list is conveniently compiled in alphabetical sequence and includes the many well-known specialties which adorn thousands of public and private gardens. Two magnificent colored plates call for special mention. These represent the

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## SCOTTII FERNS

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New variety, true stock and free from white fly. "The Pelargonium" Waterbury, Swanton, Mass. 2 in. \$2.00 per 100. "The Pelargonium" 2 in. ready Jan. 1. \$8.00 per 100.

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Southcote Beauty Aster and Giant Frilled Sweet Peas, and the telling colors will doubtless enhance the already wide popularity of these charming strains.

### NEW CORPORATIONS.

Alpha, O.—Alpha Seed & Grain Co., capital stock, \$20,000.

Canton, O.—Holmes-Letherman Seed Co., capital stock, \$25,000.

Auburndale, Mass.—F. W. Fletcher Co., Inc., capital stock \$25,000. Incorporators, F. W. and Lizzie R. Fletcher.

Fargo, N. D.—Smedley Floral Co., capital stock, \$50,000. Incorporators, T. D. Smedley, J. F. Pogue and Minnie Neal.

San Francisco.—Articles of incorporation have been filed for the Richard Diener Co., with a capital stock of \$25,000 by Richard Diener, who was formerly interested in the Metzner Floral Co., of Mountain View, and Wm. Kent of Kentfield. It is the intention of the new company to grow gladioli, carnations, pansies, petunias, etc., on a large tract of land near Kentfield in Marin County, which is being prepared for the purpose.

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### A Bargain.

On pier 27, North Wharves, Philadelphia, there were sold at 1 P. M. on Wednesday, Dec. 22, 1915, 294 cases of imported nursery stock for the munificent sum of \$13.40. The stock was mostly astilbe and dicentra clumps; it also contained gladiolus, Iris germanica and montbretia bulbs. Of the 294 cases only 13 cases were of boxwood, rhododendrons and azaleas. The appraised value of these two shipments was about \$600. Nobody in the trade seems to have gotten wise to the sale—at least they did not attend, and besides there was only 24 hours' notice of the sale. The stock was supposed to be damaged, due to its delay in reaching this country. Some of it was as much as 50 days overdue.

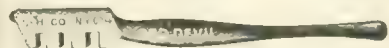
### Notes.

W. H. De Graaf of Leyden, Holland, is expected to arrive in this country in March on his annual business tour.

The strawberry growers of Abington, Mass., are planning to organize in order that they may better handle the output of the big strawberry fields. Abington is second in the strawberry growing towns of the state and the fame of "the Abington berry" is spreading. The growers have been handling the output independently, but it is believed better results may be obtained through unity.

Imports at the Port of New York for

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Sample No. 02, and descriptive booklet of 40 styles sent for 5c.

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week ending December 18, 1915, included the following. Clover seed: Netherlands, \$7,638. Grass seed: Scotland, \$389; Ireland, \$4,532; Canada, \$2,262; Argentina, \$662. Red clover seed: France, \$79,839; Italy, \$18,240; England, \$6,335. Bulbs and roots: Denmark, \$1,090; France, \$271; Netherlands, \$13,548; Hongkong, \$89; Japan, \$5,721. Trees and plants: Belgium, \$1,117; France, \$1,299; Netherlands, \$29,094; England, \$1,594; Ireland, \$19; Bermuda, \$74.

David Burpee has been elected to fill the vacancy caused by the death of his father, as a member of the board of directors of the Market Street National Bank of Philadelphia. Mr. Burpee, while comparatively young in years has a sound business training and inherits his father's traits and character in a high degree. As head of the house of W. Atlee Burpee & Co., he will undoubtedly uphold and upbuild the prestige of the establishment and acquit himself well in whatever further honors may be in store for him.

The first shipment of potash to be made from the Utah mines, which are now being developed to manufacture potash from alunite, will, according to a telegram to the "Manufacturers' Record" from Chas. H. MacDowell, president of the Armour Fertilizer Works, which controls the plant, be sent in cotton bags to one of the fertilizer plants of the Armour Company at Jacksonville, Fla. Wiring from Salt Lake City, Mr. MacDowell adds:

"The mine is developing splendidly, and the process is working entirely satisfactorily, and the product is superior to the imported potash. The first car analyzed 93 per cent. sulphate of potash."

### ERLANGAEA TOMENTOSA.

Flowering plants of Erlangea tomentosa were much admired at the Farquhar nurseries at Dedham, Mass., on the occasion of the visit of the gardeners. The plant is quite similar to a Eupatorium in character and form of flowers with sage-like foliage and heliotrope colored flowers in ample panicles. It continues in bloom for two or three months and makes a very pretty winter subject for the greenhouse.

Houston, Tex.—Fresh pears, the second crop of the season, were a unique dish appearing on a number of Christmas tables in this section. After the August 16 storm, when the trees were stripped of leaves, trees put out new leaves and blossomed again. The fruit is claimed to be of better quality than the first crop.

### PUBLICATIONS RECEIVED.

Beginning a little over a year ago the Curtis Companies of Clinton, Ia., started in their house organ, "Curtis Service," a series of articles under the heading "Building a Credit Policy." After this series had ended, and in response to numerous suggestions, they combined all of these articles in one booklet, and up to date have distributed, on request, about 4000 of these booklets. A great deal of favorable comment has been received from retailers in lines other than lumber and millwork, and while this series of articles was written expressly for the retail lumberman, his credit problems are very much the same as those confronting other retailers.

The various chapters treat respectively on Credit—Its Uses and Abuses; The Credit Policy; Laying the Foundation; Getting Results Without Giving Offense; The Question of Interest; The Question of Discount; Preventing Bad Accounts; Keeping Good Accounts Good; Collecting Bad Accounts; Settlement by Note, etc., etc.

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1,163,882. Lawn Edger. John H. Boge, Denver, Colo.

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Rock Island, Ill.—R. J. Tuckis, 1905 4th avenue.

Whitestone, N. Y.—G. Reilly, 207 11th street.

Houston, Tex.—H. H. Kuhlmann, Main store.

Lynchburg, Va.—J. J. Fallon, 1009 Main street.

Vincennes, Ind.—Paul C. Schultz, Main street.

Sandusky, O.—Parker Floral Co., Columbus avenue.

Salt Lake City, U.—Ernest Lambourne, 73 Main street.

Rochester, N. Y.—Harry Brush, Central and Clinton avenues.

Portland, Ore.—Chappell Flower Shop, Broadway Building.

Baltimore, Md.—Daisy Decorating Shop, 306 W. Saratoga street.

Houston, Tex.—Brazos Greenhouses, Main street and Rusk avenue.

Elizabeth, N. J.—Union Square Flower Shop, removed to Elizabeth avenue.

Newark, N. J.—James Rose, 480 Clinton avenue. S. A. Rogers Nursery Co., 14 Branford place.

Clinton, Mass.—F. P. Sawyer has made large additions and improvements in his flower store in the Pierce Block and now has an exceptionally well-appointed and attractive establishment.

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PLANTS in the world. Deliveries  
made with promptness and ac-  
curacy in NEW YORK and BROOK-  
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St.

Albany, N. Y.—Danker, 40-42 Maiden  
Lane.

Albany, N. Y.—William C. Gloeckner, 97  
State St.

Boston—Thos. F. Galvin, 1 Park St.

Boston—Penn the Florist, 37-43 Brom-  
field St.; 124 Tremont St.

Boston, Mass.—Henry R. Comley, 6 Park  
St.

Buffalo, N. Y.—S. A. Anderson, 440 Main  
St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan  
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid  
Ave.

Cleveland, O.—Adam Graham & Sons,  
5523 Euclid Ave.

Cleveland, O.—Knoble Bros., 1836 W. 25th  
St.

Cleveland, O.—The Smith & Feters Co.,  
735 Euclid Ave.

Denver, Col.—Park Floral Co., 1643  
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,  
corner Broadway and Gratiot Ave.

Galesburg, Ill.—I. L. Pillsbury.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017  
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-  
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.  
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth  
Ave.

New York—Thos. F. Galvin, Fifth Ave.,  
at 46th St.

New York—A. T. Bunyard, 413 Madison  
Ave., at 48th St.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415  
Faroun St.

Pittsburg, Pa.—Ludwig Floral Co., 502  
Federal St.

Rochester, N. Y.—J. B. Keller Sons, 25  
Clinton Ave., N.

Rochester, Minn.—Rochester Floral Co.

Rochester, N. Y.—Salter Bros., 38 Main  
St., West.

St. Louis, Mo.—Fred C. Weber, 4526-28  
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-  
son Co.

Toronto, Can.—J. H. Dunlop, 8-10 West  
Adelaide St.

Washington, D. C.—Gude Bros., 1214 F  
St.

Washington, D. C.—F. H. Kramer, 915  
F St., N. W.

Westerly, R. I.—Reuter's.

Worcester, Mass.—H. F. A. Lange.

Worcester, Mass.—Randall's Flower Shop,  
3 Pleasant St.

*Penn. The Florist*

"The Telegraph Florist"

Member of Florists' Telegraph Delivery

37-43 Bromfield St., 124 Tremont St.,  
Boston, Mass.

**REUTER'S** Members Florists  
Telegraph  
Delivery

STORES IN

New London and Norwich, Conn.  
and Westerly, R. I.

We cover the territory between  
New Haven and Providence

ST. LOUIS, MO.

## FRED C. WEBER

4326-28 Olive St.

Member Florists' Telegraph Delivery Association  
NOTICE INITIALS. We have one store only

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

The Far-Famed Flowers of  
**TORONTO**

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP**

8-10 West Adelaide St. - TORONTO, ONT.

ALBANY, N. Y.

## EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER

NORTH PEARL STREET, ALBANY, N. Y.

**KERR** ORDERS FOR TEXAS

The Florist

HOUSTON, TEXAS

## CHRISTMAS IN CHICAGO.

## East, West and South Send Stock.

The market for Christmas stock was very active in Chicago. The East, West and South all sent in their quota of stock. The price was fairly satisfactory to grower, wholesaler and retailer. The only stock left unsold was that which came in on the last day and was mostly cut too close. This does not refer to "pickled" stock, of which a certain amount always finds its way in, and this year was no exception, the grower as usual getting less than if he had brought it in earlier or quite likely having it thrown into the barrel where it belonged.

## Roses.

The most plentiful stock in the market was of Killarney roses, of which there was a big supply and prices on par and white were much lower than previous quotations. Killarney Brilliant fared differently, the stock being less in quantity and much of it better. Many more Ophelia could have been sold, all commission houses looking for more stock. Prices ranged as high as 25c. Some magnificent Mrs. Sawyer roses were offered for 25c. and extreme lengths brought more, but there were not nearly enough to supply demand. There were plenty of Richmonds and the very best did not go above 25c. A few Hoosier Beauties were seen and had they been forthcoming, a larger number would have sold. The stems were longer than of the Richmond but there was no advantage in the color. Milady was a favorite, and the color was good. All of the deep hued roses had remarkably good color in spite of weeks of dark weather, with the exception of Mrs. Russell, on which rose there was a great disparity in the quality of the stock. Some growers had "blue" stock in spite of all efforts while others were more fortunate and had splendid offerings of this popular rose. Yellow roses were in great demand and supply ran short especially in Sunburst.

## American Beauty.

The market was not swamped by eastern stock as was the case last year. One large dealer considers twenty-five to forty thousand a conservative estimate which kept prices on home stock from reaching the top notch of previous years, but did not break the market as at last Christmas. The storm in the East delayed some stock which came in time for the following Monday and sold to good advantage. During the week frozen shipments of Beauties, orchids and gardenias arrived from Boston, totaling several hundred dollars in one house alone. But few long Beauties sold for more than ten dollars per dozen and many more for less. It is regarded here as highly improbable that this flower will ever bring the old high prices, for various reasons, principally the quality of the other and newer roses with which it now competes.

## Orchids.

As this market has been shy on orchids for some time eastern and south-

ern growers shipped here in quantity and some frozen but still there were some left over and some were left unsold.

## Cut Poinsettias.

Reports differ regarding poinsettias. Some houses were short while others had some left over and there was plenty of a poor quality shipped in. Some boxes from California had every leaf in the bottom of the boxes and did not bring express charges. Fancy stock brought \$5.00 per dozen but \$3.00 was a more common price.

## Carnations.

No one was surprised at the scarcity of this flower which was known to be generally off crop. It was more than a question of price; orders had to be cut because there was nothing to fill them with, and from the earliest bookings customers were limited to a fraction of what they wanted.

## Violets.

Eastern violets arrived daily during Christmas week and the stock was of good quality and not injured in transit. Two dollars per 100 was the highest reported, the great bulk falling below that figure. The enormous quantity handled during the week may be imagined when the sales of a single wholesale house sometimes reached 100,000 in a day. Local violet growers also realized good returns from the week's sales.

## Greens.

Holly, mistletoe and other greens were almost as necessary as flowers. Holly was well berried and the leaves of a dark rich green. There was the usual large stock of it on South Water St., coming from the South and East, the latter leading in quality. Ed. Winterson states that the holly sales were as far ahead of previous years as the flower sales were, and his house has made a specialty of holly for years. His carload of greens included pine branches, miniature pine trees, smilax, holly, mistletoe, and by no means least in importance, a turkey for each of the twenty employees of the store which accompanied a generous check from the firm to each one. Mistletoe was in evidence on every street corner and was a mass of white berries. Like holly, it was extra fine.

## Plants.

Each year more plants have been grown in and about Chicago and it was thought that the limit this market could handle had been reached, but not so. Sales were far ahead of any previous year and the repeat orders of the last days showed that the retailers had sold out. Stock was good in all mid-winter varieties and the largest growers could have sold more had they had the stock.

## VISITORS' REGISTER.

New York—M. Liebman, Boston.

Boston—Oscar Schultz, Newport, R. I.; E. J. Harmon, Portland, Me.; Maurice Fuld, New York.

Cincinnati—Charles Winner, Lebanon, O.; Mr. Uhl, Greenfield, O.; Wm. Gardner, New Castle, Ind.

Geo. S. Hampton, treasurer of the Jos. G. Neidinger Co., Philadelphia, and Miss Bessie McLoughlin, of Detroit, were married December 27.

## Obituary

George Pedrick.

George Pedrick, who for the past twenty-two years conducted a florist business at Windsor, Ont., died at his home December 18, aged 63 years. He was born in Devonshire, Eng., and came to Canada thirty-five years ago. He is survived by his wife and one daughter.

## Alexander Chisolm.

Alexander Chisolm died Dec. 21 at the Sturdy Memorial Hospital, North Attleboro, Mass., following an illness of many weeks. He was 75 years of age. Mr. Chisolm was gardener for H. F. Barrows of that town for nearly forty years and recently he laid out the grounds at Mr. Barrows' new home. He leaves a son and a daughter. S. A. G.

## Charles H. Chenery.

Charles H. Chenery, 50 years old, a well-known market gardener, died at his home in Belmont, Mass., on Sunday, December 26. He was born in Belmont and had always lived there. After completing his education in the local schools, he entered the market gardening business with his father, and upon the death of the latter, a number of years ago, assumed charge of the business and conducted it until his death. He was unmarried.

## NEWS NOTES.

St. Joseph, Mo.—The Kelsey Nursery Company has leased 180 acres of land for growing nursery stock.

Los Angeles, Cal.—Paul J. Howard, landscape architect, has opened an office at 1521 West 7th street.

North Cheshire, Conn.—The heavy snow of December 20 crushed in the roof and broke considerable glass in the greenhouse of Percy Sloper.

Queens, N. Y.—Rockaway Floral Co., Inc., flowers, plants, seeds; \$10,000; F. Jellenix, W. A. Herrmann, J. J. Michael, 763 Greene Ave., Brooklyn.

Washington, D. C.—Dan Blackstone, formerly of Baltimore, has opened a very attractive retail establishment on upper Fourteenth Street, Northwest.

Kansas City.—Sam. Murray declares the money so lavishly spent on his big new flower store has already proved to be a good investment. A big rush is on this week.

Augusta, Me.—Albert K. Gardner, State horticulturist, has resigned his office with the department of agriculture and is soon to begin new work with the extension service of the University of Maine.

Rochester, N. Y.—J. B. Keller Sons have sent out an artistic folder with a suggestive design under the title of "Send Her a Flowergram." It sets forth the advantages of using the F. T. D. service through the Keller facilities and should prove a good business builder.

# To the Florists of America

## A HAPPY NEW YEAR

We hope that you will all have a Happy and Prosperous Year all through

**1916**

We shall do our part to make it so. The goods we offer are **new, original and profitable for the up-to-date florist.** Many of them we handle exclusively; of the rest we handle more than any other supply house in this country.

*Send for Our Silent Salesman*

**THE FLORISTS' SUPPLY HOUSE OF AMERICA**

**H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.**

### Flower Market Reports

**BOSTON** Boston's Christmas was a record breaker in many respects. Everything of acceptable quality that was available was taken with avidity at prices which have seldom been reached. Carnations were far below the requirements, and this not only assured the sale of every decent carnation at top figures, but left the rose men the control of the market, and they, having a good cut, certainly had a good Christmas. American Beauty roses were sold at a lower figure than they might have been had the large operators in this specialty realized the situation. The plant trade was enormous, showing that people were feeling the impulse of rapidly improving business conditions, and although the local retail trade devoted all their advertising to the interests of the plant department and practically ignored the cut-flower lines in their publicity campaign, yet the cut flower had its innings in the end, as the plant supply gave out and the cut flower end then loomed up big. The result was an empty market for this week and everything that comes in is easily sold at prices not much below those of Christmas. There are Roman hyacinths and freesias now on sale, as well as yellow jonquils and even tulips. Business from the wholesale standpoint continues excellent, but New Year's is not a great occasion in Boston, and with brighter weather the market value of most things will surely fall to normal. Sweet peas are enjoying an exceptional call.

**BUFFALO** The Christmas business by all reports was universally good. The sale of decorative greens and dried material began earlier than usual and was larger than ever before. The supply of plants was heavy and the sales fell off a trifle. Prices were lower, especially on begonias, which were overplentiful. The poinsettia was the best seller. Cyclamen of good quality and well bloomed were rather scarce, and ferns, araucarias, etc., had only a light demand compared with previous year. Cut flowers sold about the same as other years. Beauties were of good quality, but even at a 25% reduction

the sales were smaller. Scott Key, Richmond, Milady and choice colored Killarney had good sales. The demand was excellent on lily of the valley, violets, mignonette, sweet peas and lilies. The supply of carnations was rather light, especially on red and colored; there were enough white. All had good sales. Orchids and corsage roses sold exceptionally well. All in all it was good holiday business and the trade is well satisfied.

**CHICAGO** The last week of the year opens with splendid opportunities for the grower who has any stock left to cut. Prices are almost as high as during Christmas week. Orders began coming early Monday from out-of-town customers, showing that their trade had been good, and there was a lively scurrying around to get the stock for shipping. Carnations are still selling at the same price as roses and, even so, stock is scarce. As one dealer put it, anything that looks like a carnation brings five and six cents, and good ones are eight cents. Roses are only a little less than a week ago. Funeral work demands flowers and all kinds are selling well. Lily of the valley sales hold up well and there is no good stock left over. American Beauties left from late shipments designed for Christmas were ready for Monday and sold at once. Lilies, jonquils, Roman hyacinths, paper whites, calendulas, stevia, freesia, marguerites, delphiniums and snapdragons give a good variety. Orchids are not moving so well as could be desired.

**CINCINNATI** The early Christmas business was very good and exceeded the anticipations of the most optimistic. The supply was large and able to take care of most all needs. On the first of the year the new officials at City Hall and in the Municipal Court take their places and this is resulting in a good demand for the better grades of stock. Roses are in a good supply. Carnations, however, are rather scarce and as a whole are not of a very high quality. Most of the growers supplying this market seem to be off crop completely. Lilies are excellent and plentiful. Paper white nar-

cissus has been cleaning up regularly. Poinsettias sell fairly well. The market for lily of the valley, orchids and violets is not any too good. Callas, magnificum lilies, stevia and sweet peas may be had. Greens are plentiful.

**NEW YORK** One wholesale flower dealer in New York advises us that we should head this column with "New York Boasts of a Howling Success." Surely if the clean-up of every saleable plant in the vicinity and the disposal of the greater part of the cut flowers sent to the wholesale markets for Christmas constitutes a howling success, then that is what it was. In the plant line the stores were frantically telephoning orders to growers who were unable to respond with anything whatever. Just why the plant supply ran short is not quite clear. It is said that owing to overstock conditions at Christmas a year ago, the output of plants had been materially reduced by many growers. It is probable that this was true and that, coupled with a larger demand than heretofore, the result was a bare market. One direct result was that the retail stores, being completely sold out on plants and unable to get any more were compelled to fall back on cut flowers to supply an almost insatiable demand. And thus it came to pass that the flower men "got by" with their entire stock, with very few exceptions, at the inflated prices put into effect in advance—something that has not happened in many a year. Of gardenias, at no time were there enough at from \$6.00 to \$12.00 a dozen to satisfy repeated and persistent calls. American Beauties of faultless form were eagerly grabbed up at \$15.00 to \$18.00 per dozen—a tremendous business in these being done and the shorter grades of this rose, as well as the other varieties of bright color brought almost unbelievable prices, special Hadleys, for instance, touching 75c. and \$1.00 each. At the close nothing was left in the way of roses at any of the fifty wholesale places catering to the city store trade. Hoosier Beauty did not bring as good

## WHEN IN THE MARKET FOR BEAUTIES

Let us quote you prices. We expect an ample supply for the month of January

### THE LEO NIESSEN CO.

Wholesale Florists

1201-05 Race Street,

PHILADELPHIA, PA.



THE BEST LETTERS

FOR  
FLORIST'S  
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THOSE  
MADE  
BY THE

### Boston Florist Letter Co.

68 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.

Script Letters, \$3.00 per 100.

Order direct or buy from your local supply dealer. Insist on having the

**BOSTON**

Inscription, Emblems, etc. Always In Stock.

## POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around  
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested send us your name and address for our weekly price list

## WELCH BROS. CO. Wholesale Cut Flower Market

Daily consignments from leading growers Full line of Florists' Supplies Write for quotations before ordering elsewhere  
226 DEVONSHIRE ST., BOSTON, MASS.  
Telephone, Main 6267-6268

### WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Dec. 30	ST. LOUIS	PHILA. 12-13
Roses			
At. Beauty, Single	60.00 to 70.00	40.00 to 60.00	30.00 to 35.00
At. Beauty, Double	10.00 to 15.00	25.00 to 30.00	20.00 to 25.00
At. Beauty, Extra	10.00 to 15.00	10.00 to 15.00	8.00 to 10.00
Kissell, Hadley	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00
Killarney, Richmond, Hillingdon, Ward, Extra	10.00 to 15.00	10.00 to 15.00	8.00 to 12.00
Ordinary	4.00 to 6.00	5.00 to 10.00	3.00 to 7.00
Arenberg, Ruland, Taft, Key, Extra	4.00 to 6.00	4.00 to 6.00	8.00 to 12.00
Ordinary	4.00 to 6.00	4.00 to 6.00	3.00 to 7.00
Ophelia, Mock, Sunburst, Extra	10.00 to 15.00	8.00 to 10.00	8.00 to 12.00
Ordinary	10.00 to 15.00	5.00 to 10.00	3.00 to 6.00
Carnations, Fancy	10.00 to 15.00	4.00 to 6.00	4.00 to 6.00
Ordinary	4.00 to 6.00	2.00 to 3.00	2.00 to 3.00
Cattleyas	10.00 to 15.00	10.00 to 15.00	40.00 to 60.00
Dendrobium formosum	10.00 to 15.00	10.00 to 15.00	35.00 to 50.00
Lilies, Longiflorum	8.00 to 12.00	12.00 to 15.00	8.00 to 12.00
Rubrum	10.00 to 15.00	6.00 to 8.00	4.00 to 6.00
Callas	10.00 to 15.00	10.00 to 15.00	10.00 to 12.00
Lily of the Valley	2.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Daisies	1.00 to 2.00	2.00 to 3.00	1.00 to 2.00
Violets	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Mignonette	2.00 to 4.00	3.00 to 4.00	2.00 to 3.00
Snapdragon	2.00 to 4.00	4.00 to 5.00	4.00 to 5.00
Narcissus, Paper-White	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Trumpet	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Hyacinths, Roman	1.00 to 2.00	3.00 to 4.00	1.00 to 2.00
Freesia	4.00 to 6.00	10.00 to 15.00	10.00 to 15.00
Calendulas	2.00 to 4.00	3.00 to 4.00	2.00 to 3.00
Stevia	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Sweet Peas	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Gardenias	25.00 to 50.00	10.00 to 15.00	15.00 to 20.00
Adiantum	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Smilax	12.00 to 15.00	12.00 to 15.00	15.00 to 20.00
Asparagus Plumosus, Strings (100)	25.00 to 50.00	25.00 to 50.00	25.00 to 50.00
& Spreng. (100 Behs.)	25.00 to 50.00	25.00 to 50.00	25.00 to 50.00

## Wired Toothpicks

Manufactured by

### W. J. COWEE, Berlin, N. Y.

10,000...\$1.75 50,000...\$7.50. Sample free.  
For sale by dealers.

## E. G. HILL CO.

Wholesale Florists

RICHMOND, IND.

Please mention Horticulture when writing.

### MICHIGAN CUT FLOWER

EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH.

Telephone 3860 Madison Square

### WOODROW & MARKETOS

WHOLESALE

### Plantsmen and Florists

37 and 39 West 28th St., NEW YORK



## WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - - BUFFALO, N. Y.

## Chicago Flower Growers Ass'n.

Wholesale Growers of Cut Flowers and Plants

182 N. Wabash Avenue - - - Chicago, Ill.

## Flower Market Reports

(Continued from page 21)

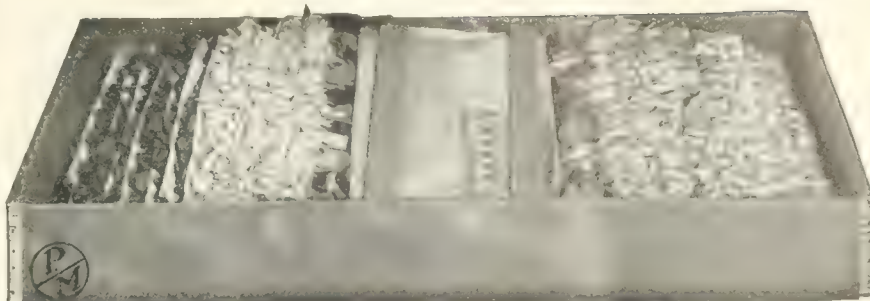
value as Hadley. A few fine Scott Keys sold at 40c. White roses were not much in demand. The small varieties of Cecil Brunner type sold readily at from 50c. to \$1.00 a dozen. Carnations had a peculiar experience. When they arrived on Friday morning the demand was light and it was difficult to get 6 and 8c. for the ordinary varieties and 12c. for the scarlet, but the demand increased during the day and the prices remained at about 6 and 8c. for the ordinary varieties, 10c. for Mrs. Ward and 15c. for the scarlet. This was for those of the best quality only. Violets were of exceptionally good quality and sold from 75c. to \$1.25 for doubles and \$1.50 to \$2.00 for singles. Poinsettias brought all the way from \$8.00 to \$25 and a few as high as \$40 per 100. Sweet peas did remarkably well at \$1.50 for grandifloras and \$2.00 to \$2.50 for Spencers. Prices on all other stock are sufficiently indicated in the tabulated lists. The orchid situation took a surprising turn. They had previously been running scarce and suddenly an enormous supply of cattleyas said to have been in the neighborhood of 15,000 blooms was dumped upon the market by out-of-town growers breaking the price which started at \$1.00 each, to 50c. and eventually going as low as \$10 to \$15 per 100. So with the exception of the orchids and, of course, the "pickled" flowers, it may be said that everything in the market was cleaned out completely. It must not be gathered from the foregoing that the retailers accepted the situation with either joy or philosophy, although from all accounts they did an unprecedented amount of business, some of them claiming to have increased over last year 50 to 65 per cent. They claim a disappointment and loss in having been compelled to pay in many cases as much as they could ask for the goods from the public, and even then at the risk of "being looked upon by the purchaser as a thief," as one expressed it. They say the only profit they did make was on the plants and that were it not for the plants they would better have closed up their stores during Christmas. So there you have the story of New York's big holiday scramble.

**PROVIDENCE, R. I.** A record volume of trade was established

for the holiday season in this city and vicinity according to the wholesalers and retailers, and as a natural sequence they are happy at this time. It is the general opinion among the trade that the Christmas business was 25 per cent. above any previous year. The supply was up to the steady demand and the prices were firm. The trade was fortunate in having a supply of good quality and the last day rush was not as hard as in previous years. The campaign here for early shopping appeared to have its effect even with the florists so far as the character of the trade would permit.

**SAN FRANCISCO** The local trade, both wholesale and retail,

jubilant over the returns from Christmas business. No complaints are to



## ROSE SPECIAL

With the first of the New Year we offer two very attractive Specials

### ROSE SPECIAL NO. 1

In lots of 200 or over, all long stems, good assortment, our selection at \$8.00 per 100.

### ROSE SPECIAL NO. 2

In lots of 200 or more, medium stems, our selection, good assortment, at \$4.00 per 100.

## S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

PHILADELPHIA  
1608-1620 Ludlow St.

NEW YORK  
117 W. 28th St.

BALTIMORE  
Franklin and St. Paul Sts.

WASHINGTON  
1216 H St., N. W.

## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Dec. 27		CHICAGO Dec. 27		BUFFALO Dec. 27		PITTSBURG Dec. 27	
<b>Roses</b>								
Am. Beauty, Special.....	40.00	to 50.00	35.00	to 50.00	50.00	to 60.00	.....	to 75.00
" " Fancy and Extra.....	25.00	to 35.00	25.00	to 35.00	30.00	to 40.00	.....	to 60.00
" " No. 1.....	20.00	to 20.00	10.00	to 20.00	20.00	to 25.00	.....	to 50.00
Russell, Hadley.....	10.00	to 15.00	10.00	to 30.00	10.00	to 20.00	.....	to 25.00
Killarney, Richm'd, Hill'don, Ward	8.00	to 10.00	8.00	to 10.00	8.00	to 15.00	10.00	to 25.00
" " Orld.	4.00	to 6.00	4.00	to 6.00	5.00	to 10.00	6.00	to 8.00
Arenburg, Radiance, Taft, Key, Ex.	4.00	to 10.00	8.00	to 10.00	10.00	to 15.00	.....	to 15.00
" " Orld.	4.00	to 6.00	4.00	to 8.00	6.00	to 10.00	.....	to 10.00
Ophelia, Mock, Sunburst, Extra.....	8.00	to 10.00	8.00	to 10.00	10.00	to 15.00	15.00	to 30.00
" " Orld.	4.00	to 6.00	4.00	to 8.00	6.00	to 10.00	8.00	to 12.00
Carnations, Fancy.....	.....	to 4.00	.....	to 8.00	5.00	to 6.00	8.00	to 12.00
" " Ordinary.....	.....	to 3.00	4.00	to 5.00	5.00	to 4.00	.....	to 6.00
Cattleyas.....	.....	to 60.00	60.00	to 75.00	60.00	to 75.00	75.00	to 80.00
Dendrobium formosum.....	60.00	to 75.00	.....	to 75.00	.....	to 75.00	.....	to 75.00
Lilies, Longiflorum.....	1.00	to 12.00	1.00	to 12.00	10.00	to 12.00	12.00	to 15.00
" " Rubrum.....	3.00	to 10.00	.....	to 10.00	4.00	to 5.00	.....	to 5.00
Callas.....	1.00	to 12.50	.....	to 10.00	10.00	to 12.00	.....	to 12.00
Lily of the Valley.....	.....	to 4.00	3.00	to 5.00	3.00	to 4.00	4.00	to 5.00
Daisies.....	.....	to 1.00	1.00	to 1.50	1.00	to 1.50	3.00	to 4.00
Violets.....	.75	to 1.00	1.00	to 2.00	1.00	to 1.25	1.50	to 2.00
Mignonette.....	.....	to 4.00	4.00	to 6.00	3.00	to 6.00	4.00	to 8.00
Snapdragon.....	.....	to 4.00	4.00	to 12.00	8.00	to 10.00	.....	to 10.00
Narcissus, Paper-White.....	3.00	to 4.00	3.00	to 5.00	2.50	to 3.00	.....	to 4.00
" " Trumpet.....	.....	to 5.00	.....	to 5.00	.....	to 5.00	.....	to 5.00
Hyacinths, Roman.....	3.00	to 4.00	3.00	to 5.00	3.00	to 4.00	3.00	to 4.00
Freesia.....	.....	to 3.00	.....	to 5.00	3.00	to 4.00	.....	to 4.00
Calendulas.....	.....	to 3.00	.....	to 3.00	3.00	to 4.00	1.00	to 4.00
Stevia.....	2.00	to 3.00	1.00	to 2.00	1.00	to 1.25	1.00	to 2.00
Sweet Peas.....	.75	to 1.00	1.00	to 2.00	1.00	to 2.00	1.50	to 2.00
Gardenias.....	.....	to 25.00	25.00	to 30.00	30.00	to 40.00	.....	to 40.00
Adiantum.....	.....	to 1.00	.....	to 1.00	1.00	to 1.25	.....	to 1.25
Smilax.....	12.50	to 15.00	12.50	to 18.00	15.00	to 20.00	.....	to 15.00
Asparagus Plumosus, Strings (100)	25.00	to 50.00	50.00	to 60.00	40.00	to 60.00	.....	to 50.00
" " & Spreng. (100 bchs.)	25.00	to 50.00	25.00	to 50.00	25.00	to 40.00	35.00	to 50.00

# J. A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and  
CARNATIONS  
A Specialty

WHOLESALE  
GROWER of

CUT FLOWERS

be heard from any quarter, and many pronounce this the best holiday season they have ever experienced. Pot plants cleaned up closely and the supply of cut flowers was readily absorbed although most lines were fairly plentiful. Poinsettias showed excellent quality and more plants could have been used according to reports from various houses. The supply fell below expecta-

tations on account of light arrivals from the southern part of the state. Azaleas were a little short also, but there was plenty of primulas, cyclamens and begonias, all of which were in good demand. Quantities of greens made up an important item in the week's business and more English holly was available than in previous

**H. E. FROMENT**

Wholesale Commission Florist  
Choice Cut Flowers

New Address: 11 West 28th St., NEW YORK  
Telephones: 360, 361, Madison Square

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Telephone No. 36  
Madison Square

**New York**

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Wholesale Florist

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Telephone 360, Farragut

Call and inspect the Best Establishment  
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CONSIGNMENTS SOLICITED

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**JOHN YOUNG & CO.**

WHOLESALE FLORISTS

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Consignments Solicited

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Ferns, Mosses, Wild Smilax, Galax,  
Leucothoe, Palmetto, Cycas, both fresh  
cut and prepared.

Laurel, Hemlock, all Decorative Evergreens.

at (5893) / Mad Sq. 119 W. 28 St., New York

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Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

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**M. C. FORD**

121 West 28th St., NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.  
Telephone 3870 Farragut.

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Regular Shipments Wanted of

Pansies and Violets

I have a good market for them.

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55 and 57 West 26th St. NEW YORK

**P. J. SMITH**

WHOLESALE COMMISSION FLORIST SELLING AGENT FOR LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes

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**ALBANY CUT FLOWER EXCHANGE**

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.

WHOLESALE ONLY

SAVE TIME AND MONEY BY SENDING YOUR ORDER TO US

Prices Right. Consignments Solicited. Telephone Connection

HEADQUARTERS FOR NOVELTIES

**ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND

GARDENIAS, DAISIES, ROSES, CARNATIONS

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FARRAGUT 769

Centrally Located, The Hub of the Flower Market Section

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**BADGLEY & BISHOP, Inc.**

WHOLESALE FLORISTS, 34 West 28th St., New York

Telephones 1664 / 1665 / Madison Square

CONSIGNMENTS SOLICITED

**NEW YORK QUOTATIONS PER 100. To Dealers Only****ROSES AND CARNATIONS**

Last Half of Week  
ending Dec. 25  
1915

First Half of Week  
beginning Dec. 27  
1915

American Beauty, Special	1.00 to 12.00	4.00 to 15.00
" " Fancy and Extra	7.00 to 8.00	2.00 to 30.00
" " No. 1	1.00 to 15.00	5.00 to 12.00
Russell, Hadley	1.00 to 7.00	4.00 to 25.00
Killarney, Richmond, Hillingdon, Ward, Extra	1.00 to 15.00	6.00 to 12.00
" " Ordinary	4.00 to 6.00	4.00 to 5.00
Arenburg, Radiance, Taft, Key, Extra	8.00 to 25.00	6.00 to 12.00
" " Ordinary	1.00 to 6.00	4.00 to 5.00
Ophelia, Mock, Sunburst, Extra	8.00 to 20.00	1.00 to 12.00
" " Ordinary	4.00 to 6.00	4.00 to 5.00
Carnations, Fancy	8.00 to 15.00	4.00 to 6.00
" " Ordinary	4.00 to 6.00	3.00 to 4.00

**WALTER F. SHERIDAN**

Wholesale Commission Dealer in

**CHOICE CUT FLOWERS**

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Telephone—3532-3533 Madison Square

Frank H. Traendly

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**TRAENDLY & SCHENCK**

Wholesale Florists

436 6th Avenue, Between 26th and 27th Sts., New York

Telephones: 797-798-799 Farragut

Consignments Solicited

**WALTER R. SIEBRECHT CO.**

Incorporated

Wholesale Commission Florists

Orchids, Gardenias and Many Unusual  
Flowers of Quality.

114 West 28th Street  
NEW YORK

**HENRY M. ROBINSON CO. OF NEW YORK**

WHOLESALE FLORISTS

55-57 West 26th Street

Telephones, 13-8510 Madison Square

Consignments Solicited

MAURICE L. GLASS, Treasurer

## Flower Market Reports

(Continued from page 24)

years. The latter was very popular among high-class trade, but it did not compete very strongly with California red berries in the cheaper establishments. Orchids were featured strongly by the better shops, some very nice plants being offered as well as the cut flowers. Roses were fairly plentiful and good stock cleaned up readily, especially American Beauties. Chrysanthemums did not hold out as long as usual this season and the Christmas supply was very limited with quality undesirable, which gave them little recognition. Violets continued in good supply both for shipping and local needs. Carnations were offered freely, at prices somewhat lower than for some time which is the only instance noted of a decline, and it can be accounted for by a change in marketing conditions. Lily of the valley had a good call, and gardenias, which were in good supply, held a strong position. Fancy basket arrangements and other seasonable specialties proved very popular.

The Christmas rush is over and from reports everybody is well satisfied. For the residence district it was purely a plant Christmas as they had the call over the high-priced cut flowers. Down town they had all they could attend to in both cut flowers and plants. It was a "white Christmas" and nobody expected it. It came early Friday morning and it snowed continuously until Saturday morning, which caused considerable delay in delivering and a great deal of extra work in packing up plants. We can safely say that, notwithstanding the bad weather, it was the best Christmas in years for most St. Louis florists. Poinsettias, azaleas and cyclamen cleaned up early. Some extra fine holly trees and oranges fruited were seen this year. Lily of the valley in pots had a good call. Carnations were very scarce and the wholesalers cleaned up early at very high prices, extra fine red going as high as 12 cents. Roses were in plenty but these, too, demanded high prices, especially on the red varieties. Beauties were not so many and \$12 per dozen was the price for extra choice. Sweet peas were fine. Violets were in only limited supply from our local growers, but a heavy supply from California helped out greatly. This came to the retailers direct, the commission men handling none of them.

The florists of the National Capital are well pleased with the business for Christmas. From all accounts 1915 will measure up well with previous years. The mild weather greatly facilitated deliveries. The prophesied shortage of stock failed to materialize and there was fully enough in all lines to fill all orders. Everybody seemed to be on a crop. Prices were about the same as in previous years, and these are being maintained for the New Year's Day business. There were plenty of carnations; American Beauty roses were slightly cheaper than last year; cattleyas brought \$9 per dozen; Richmond roses sold at as high as 35 cents each and

## PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

TELEPHONE MAIN 2698

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A.M.

## NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Dec. 25 1915		First Half of Week beginning Dec. 27 1915	
Cattleyas	15.00	to 75.00	20.00	to 80.00
Dendrobium formosum	25.00	to 50.00	25.00	to 50.00
Lilies, Longiflorum	8.00	to 10.00	8.00	to 10.00
" Rubrum	5.00	to 6.00	5.00	to 6.00
Callas	12.00	to 15.00	8.00	to 12.00
Lily of the Valley	3.00	to 4.00	1.00	to 4.00
Daisies	2.00	to 3.00	1.00	to 2.00
Violets	1.00	to 2.00	.75	to 1.00
Mignonette	2.00	to 4.00	2.00	to 4.00
Snaydragon	3.00	to 5.00	3.00	to 5.00
Narcissus, Paper-White	1.00	to 2.00	1.00	to 2.00
" Trumpet	1.00	to 2.00	1.00	to 2.00
Hyacinths, Roman	1.00	to 2.00	1.00	to 2.00
Freesia	1.00	to 2.00	1.00	to 2.00
Calendulas	2.00	to 4.00	2.00	to 4.00
Stevia	1.00	to 1.50	1.00	to 1.50
Sweet Peas	1.50	to 2.50	1.50	to 2.50
Gardenias	50.00	to 100.00	40.00	to 50.00
Adiantum	.50	to 1.00	.50	to 1.00
Smilax	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, strings (per 100)	3.00	to 40.00	35.00	to 50.00
& Spren (100 bunches)	15.00	to 20.00	15.00	to 25.00

## I SELL FLOWERS

What Have You to Offer for Coming Season?

I have an unlimited market for any variety of flowers, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty-eight years in the Cut Flower Commission Business.

Write for information or call and talk it over.

Telephone 167 & 4468 Mad. Sq. **J. K. ALLEN** 118 West 28th Street NEW YORK

## EDWARD REID WHOLESALE FLORIST

1619-21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES  
and all Seasonable Varieties of Cut Flowers

## PHILADELPHIA Wholesale Flower Exchange

1625 Ranstead St., Philadelphia  
EVERYTHING IN CUT FLOWERS  
Gardenias and Orchids a specialty.  
"Jake" knows the ropes. Give him a trial. Consignments solicited.

Established 1888 Tel. 551 Madison Sq.

## GUNTHER BROS.

Wholesale Commission Florists

110 West 28th St., New York

We Solicit Consignments of New England Grown Novelties.

## RIEDEL & MEYER, Inc.

Wholesale Commission

READY FOR BUSINESS

49 WEST 28th ST. NEW YORK.

were prime favorites. Ordinary sweet peas did not sell well, but there was a good demand for Spencers. There was a very heavy supply of double violets. There was not much of a call for mignonette. Lilies met with a ready

## GUTTMAN & RAYNOR, Inc.

A. J. GUTTMAN, President.

## Wholesale Florists

101 W. 28th St., NEW YORK

We have 20 years' experience behind us.  
Telephone, Farragut 2036-2037-558.

## D. C. Arnold & Co., Inc.

Wholesale Florists

112 West 28th St., N. Y. CITY

Telephone, 2287 Farragut.  
Consignments Solicited.

## REED & KELLER

122 West 25th St., New York

## Florists' Supplies

We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Decorative Glassware, Growers and  
Florists' Requisites

## UNITED CUT FLOWER CO., INC.

Flowers Sold on Commission

Consignments of

Good Stock Solicited

PERCY W. RICHTER, Mgr., NEW YORK  
111 W. 28th Street

sale. The novelties such as Sweetheart and Sweet Marie roses, bouvardia, cornflower and daisies, were overshadowed by the larger flowers and the pot plants. Azaleas cleaned up completely and other plants were in heavy demand.

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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R. Dyball, 40 State St., Boston.  
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Aphine Mfg. Co., Madison, N. J.  
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## APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.  
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## ASPARAGUS

Asparagus Plumosus, Thumb pot plants, sure to please, \$1.50 per 100. B. C. BLAKE, R. D. 4, Springfield, Ohio.

## ASPARAGUS PLUMOSUS NANUS SEED.

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New York City.  
Plant and Bulb Sales by Auction.  
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## BEDDING PLANTS

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White Marsh, Md.

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## BEGONIAS

BEGONIAS—Begonia Chataelaine, rooted cuttings, ready December 30; \$2.00 per 100; \$18.00 per 1000. Cash with order. STEPHEN CHASE, Nashua, N. H.

		Per 100
BEGONIA LORRAINE,	2 1/4 in.....	\$12.00
	3 in.....	20.00
	4 in.....	35.00
	5 in.....	50.00
BEGONIA CINCINNATI,	2 1/4 in.....	15.00
	3 in.....	25.00
	3 1/4 in.....	30.00
	4 1/4 in.....	40.00
JULIUS ROEHRS CO., Rutherford, N. J.		

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Hitchings & Co., New York City.

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Edwards Folding Box Co., Philadelphia.  
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Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

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BOX TREES—Standards, Pyramids and Bush in various sizes. Price List on demand. JULIUS ROEHRS CO., Rutherford, N. J.

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Surplus Bulbs.  
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Ralph M. Ward & Co., New York City.  
Lily Bulbs.  
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John Lewis Childs, Flowerfield, L. I., N. Y.  
Gladlioli.  
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August Bolker & Sons, New York City.  
Holland and Japan Bulbs.  
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R. & J. Farquhar & Co., Boston, Mass.  
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Horticultural Importers and Exporters.  
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A. Henderson & Co., Chicago, Ill.  
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Burnett Bros., 98 Chambers St., New York.  
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Henry F. Mitchell Co., Philadelphia, Pa.  
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Joseph Breck & Sons Corp., Boston, Mass.  
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Fottler, Flske, Rawson Co., Boston, Mass.

W. E. Marshall & Co., New York City.  
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C. KEUR & SONS, HILLEGOM, Holland.  
Bulbs of all descriptions. Write for prices.  
NEW YORK Branch, 8-10 Bridge St.

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Newest list of the newest Cannas just out. Complete assortment of the finest sorts, at remarkable rates.

Send for list today.

THE CONARD & JONES CO.  
West Grove, Pa.

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Littlefield & Wyman, North Abington, Mass.  
New Pink Carnation, Miss Theo.  
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## CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

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Chas. H. Totty, Madison, N. J.  
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Elmer D. Smith, Adrian, Mich.  
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## COLEUS

Christmas Gem Coleus, 3c. B. C. BLAKE, R. D. 4, Springfield, Ohio.

Coleus, Golden Buzzer, Verschaffeltii, Queen Victoria, Firebrand and all leading varieties, including the Pink and Yellow Trailing Queen, clean, strong, well rooted cuttings, 50c. per 100, \$4.00 per 1000. Cash with order, and satisfaction guaranteed. Send for list. Largest grower of coleus in the U. S. A. NAHLIK, 261-75 Lawrence St., Flushing, N. Y.

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R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.

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Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens. J. L. MOORE, Prop., Northboro, Mass.

## NEW PAEONY DAHLIA

John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

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Woodrow & Marketo, New York City.  
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Bobbink & Atkins, Rutherford, N. J.  
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Thomas Roland, Nahant, Mass.  
High Grade Plants for Retail Florists.  
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A. M. Davenport, Watertown, Mass.  
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## DRACENIAS

Julius Roehrs Co., Rutherford, N. J.  
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Dracaena Indivisa, 4-in. pot plants, 6c. B. C. BLAKE, R. D. 4, Springfield, Ohio.

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John Scott, Brooklyn, N. Y.

The Home of the Scottii Fern.

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A. M. Davenport, Watertown, Mass.  
Boston and Whitman Ferns.  
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Roman J. Irwin, New York City.  
Boston and Whitman Ferns.

Ferns, 2-in., Boston, Whitman, Roosevelt, Elegantisma, Compacta and Teddy Jr. B. C. BLAKE, R. D. 4, Springfield, Ohio.

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Scotch Soot.

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Wizard Brand Cattle Manure.

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Welch Bros. Co., Boston, Mass.  
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**FLOWER POTS**

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A. H. Hews & Co., Inc., Cambridge, Mass.  
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Aphine Mfg. Co., Madison, N. J.  
Fungine.  
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**GARDEN TOOLS**

B. G. Pratt Co., New York City.

**GERANIUMS**

R. Vincent, Jr., & Sons Co.  
White Marsh, Md.  
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Geraniums—Ricard, Doyle, Nutt, Poitevine and Chevalier, from 2½-inch pots, immediate or later delivery, \$20.00 per 1000. Rooted Cuttings, \$15.00 per 1000. Cash with order. WM. F. KOENIG, 566 Hamilton Ave., West New York, N. J.

Rooted cuttings of the new Geranium Margaret Walsh are now for sale at \$5.00 per 100; out of 2½-inch pots, \$9.00 per 100. A limited quantity only offered now for sale. Cash must accompany each order. JOHN WALSH, Franklin St., Melrose H'ts, Mass.

Geraniums—rooted in Silica rock sand. Show a better color and grow better. Let me have your order for Nutt, Ricard, Poitevine and La Favorite, \$12.50 per 1000. Cash. JAMES MOSS, Johnsville, Pa.

Geraniums—S. A. Nutt, Grant, large well rooted top cuttings, \$10.00 per 1000. Cash. ROSS BROTHERS, Dubois, Pa.

GERANIUMS—A fine lot of S. A. Nutt R. C. ready December 30; \$12.50 per 1000. Cash with order. STEPHEN CHASE, Nashua, N. H.

**GLADIOLI**

John Lewis Childs, Flowerfield, L. I., N. Y.  
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A. Henderson & Co., Chicago, Ill.  
Forcing Gladioli.  
For page see List of Advertisers.

Gladioli America, \$6.00; Augusta, \$6.00; Halley, \$7.00; Princeps, \$7.00; Mrs. F. King, \$8.00; all first size bulbs. Booking orders for Spring Delivery. THOMAS COGGER, 229 Laurel St., Melrose, Mass.

America for forcing, \$8.00; medium size for cut flowers, \$4.00 per 1000, 250 for \$1.00. Send for special price on 5,000 to 25,000. Write for price list on Glory, Lily Lehman, Niagara, Pendleton, Schwaben, War, Taconic, Mrs. F. King, W. Wigman, etc. Prices on Pendleton advance Jan. 1. BROOKLAND GARDENS, Woburn, Mass.

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Parshelsky Bros., Inc., Brooklyn, N. Y.  
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Royal Glass Works, New York City.  
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Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

**GLASS CUTTERS**

Smith & Hemenway Co., New York City.  
Red Devil Glass Cutter.  
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**GLAZING POINTS**

H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.  
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**GREENHOUSE BUILDING MATERIAL**  
King Construction Co., N. Tonawanda, N. Y.  
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Parshelsky Bros., Inc., Brooklyn, N. Y.  
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A. T. Stearns Lumber Co., Neponset, Boston.  
Peccky Cypress.

Lord & Burnham Co., New York City.  
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**GREENHOUSE CONSTRUCTION**  
King Construction Co., N. Tonawanda, N. Y.  
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Michigan Cut Flower Exchange, Detroit Mich.

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**HOT BED SASH.**

A. T. Stearns Lumber Co., Neponset, Mass.

Parshelsky Bros., Inc., Brooklyn, N. Y.  
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Standard hotbed sash, 1½ in. thick, with crossbar, 80c. each; lots of 25 and over, 75c. each. Blind tenons; white leaded in joints. The life of a sash depends on this construction. We GUARANTEE our sash to be satisfactory or refund your money. Glass, 6x8, \$4.10, 10x12, or 10x14, \$1.50 per box of 50 sq. ft. C. N. ROBINSON & BRO., Dept. 29, Baltimore, Md.

**HOT BED SASH—Continued**

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**HOSE**

H. A. Dreer, Philadelphia, Pa.  
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**HYACINTHS**

5000 Hyacinths—No. 1, No. 2 and Miniatures in La Innocence, Gertrude Grand Maitre, King of Blues, Jaynes: No. 1, \$32.00 per 1000; No. 2, \$20.00 per 1000; Miniatures, \$14.00 per 1000. 3 in. Sprenger, 3c. Mum stock plants, 15 varieties, 50c. per doz.; \$3.00 per 100, or will exchange any of these for Vincas Var., Geraniums, Ferns or what have you? ROSENDALE GREENHOUSES AND NURSERIES, Schenectady, New York.

**INSECTICIDES**

Benjamin Hammond, Beacon, N. Y.  
Hammond's Slug Shot—Grape Dust.  
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Aphine Manufacturing Co., Madison, N. J.  
Aphine.

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**LILY BULBS**

Chas. Schwake & Co., New York City  
Horticultural Importers and Exporters  
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R. M. Ward & Co., New York, N. Y.  
Japanese Lily Bulbs of Superior Quality

Joseph Breck & Sons Corp., Boston, Mass.  
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Yokohama Nursery Co., New York City.  
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**LILY OF THE VALLEY PIPS**

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Stumpp & Walter Co., New York City.  
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Pottler, Fiske, Rawson Co., Boston, Mass.

**MASTICA**

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Nicotine Mfg. Co., St. Louis, Mo.  
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**NIKOTIANA**

Aphine Mfg. Co., Madison, N. J.  
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**In writing to Advertisers kindly mention Horticulture**

**NURSERY STOCK**

- P. Ouwerkerk**, Westawken Heights, N. J.  
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- The D. H. Nursery Co.**, Dundee, Ill.  
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Hardy Northern Grown Stock  
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- The Nut Grower**, Waycross, Ga.  
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**ONION SETS**

- Leonard Seed Co.**, Chicago, Ill.  
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- Jas. McManus**, New York, N. Y.  
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**ORCHID PLANTS**

- Julius Roehrs Co.**, Rutherford, N. J.  
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- Lager & Hurrell**, Summit, N. J.

**PANDANUS VEITCHI**

- Julius Roehrs Co.**, Rutherford, N. J.  
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**PANSY PLANTS**

Pansies, the big giant flowering kind, \$2.00 per 1000, in bud and bloom, \$5.00 and \$10.00 per 1000. Cash. If I could only show the nice plants, hundreds of testimonials and repeat orders I would be flooded with new business. **JAMES MOSS**, Johnsville, Pa.

**PANSY SEED**

- Chas. Frost**, Kenilworth, N. J.  
Kenilworth Giant  
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**PEONIES**

Peonies. The world's greatest collection. 1200 sorts. Send for list. **C. BETSCHER**, Canal Dover, O.

**PECKY CYPRESS BENCHES**

- A. T. Stearns Lumber Co.**, Boston, Mass.

**PIPE AND FITTINGS**

- Kroeschell Bros. Co.**, Chicago.  
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- Chas. Schwake & Co.**, New York City.  
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**August Rolker & Sons**, New York City.  
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**McHutchison & Co.**, New York City.

**PLANT TRELLISES AND STAKES**

Seele's Tieless Plant Stakes and Trellises. **H. D. SEELE & SONS**, Elkhart, Ind.

**PLANT TUBS**

- H. A. Dreer**, Philadelphia, Pa.  
"Riverton Special."

**RAFFIA**

- McHutchison & Co.**, New York, N. Y.  
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**RHODODENDRONS**

- P. Ouwerkerk**, Hoboken, N. J.  
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- Wabun Rose Conservatories**, Natick, Mass.  
New Rose Mrs. Bayard Taylor

**THE CONARD & JONES COMPANY**,  
Rose Specialists  
West Grove, Pa. Send for offers

**SCALECIDE**

- B. G. Pratt Co.**, New York City.

**SEASONABLE PLANT STOCK**

- R. Vincent, Jr. & Sons Co.**, White Marsh, Md.  
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**SEED GROWERS**

- California Seed Growers' Association**,  
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**SEEDS**

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Seeds with a Pedigree.  
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Seeds for the Florist

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**SOOT**

- Stupp & Walter Co.**, New York City.  
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**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and orchid baskets always on hand **LAGER & HURRELL**, Summit, N. J.

**SPRAYING MATERIALS**

- B. G. Pratt Co.**, New York City.

**STANDARD THERMOMETERS**

- Standard Thermo Co.**, Boston, Mass.  
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**STOVE PLANTS**

Orchids—Largest stock in the country—Stove plants and Crotons, finest collection. **JULIUS ROEHR'S CO.**, Rutherford, N. J.

**SWEET PEA SEED**

- Ant. C. Zvolanek**, Lompoc, Calif.  
Gold Medal of Honor Winter Orchid Sweet Peas.  
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**VASES**

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**New Offers In This Issue****ENGLISH MANETTI STOCKS.**

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WANTED.**

Elm City Nurseries, Inc., New Haven, Conn.  
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**VERBENA SEED.**

Henry F. Michell Co., Philadelphia, Pa.  
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**THE NUT-GROWER**

The unique monthly publica-  
tion which furnishes reliable  
and interesting up-to-date in-  
formation regarding the value  
of pecans and other edible nuts  
and how to grow them for profit.

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**WANTS, FOR SALE, Etc.****HELP WANTED****PRACTICAL  
NURSERYMAN  
WANTED**

To take charge of our new  
WOODMONT NURSERY.  
Permanent position with chance for ad-  
vancement to the right party.

**THE ELM CITY NURSERY CO.**  
WOODMONT NURSERIES, Inc.  
New Haven, Conn.

In writing state experience and refer-  
ences.

**SITUATIONS WANTED**

Who wants an experienced correspondent,  
sales or office manager—Nursery line?  
Steady, sober, honest, live wire. B. C.,  
care HORTICULTURE.

**FOR SALE**

**FOR SALE**—Fresh from factory, new;  
10 x 12, 16 x 18, 16 x 24, double thick. A  
and B qualities. Market dropped. Now is  
the time to buy and save money.  
**PARSHELSKY BROS., INC., 215-217**  
Havemeyer St., Brooklyn, N. Y.

**FOR SALE**—Greenhouses and residence;  
paying retail business; amount of business  
shown and reason for selling; 65 miles  
from Boston. Address R., care of HOR-  
TICULTURE.

**BAILEY'S NEW STANDARD  
Cyclopedia of Horticulture**

Six large quarto volumes.  
More than 3,600 pages. 24  
exquisite full-page color  
plates. 96 full-page sepia  
half-tones and more than  
4,000 text engravings. 500  
collaborators. Approx-  
imately 4,000 genera, 15,000  
species and 40,000 plant  
names.

The new Standard Cyclopedia of  
Horticulture has been freshly writ-  
ten in the light of the most recent  
research and experience. It is not  
merely an ordinary revision or cor-  
rected edition of the old Cyclo-  
pedia, but it is a new work from  
start to finish with enlarged bound-  
aries geographically and practical-  
ly; it supersedes and displaces all  
previous editions or reprints of ev-  
ery kind whatsoever. It is both  
an Encyclopedia and a Manual, for  
with the aid of its Synopsis and  
Key, amateur and professional  
alike may quickly identify any  
plant, shrub or fruit contained  
within the set, and then receive ex-  
pert instructions for its cultivation.  
Price \$6.00 per volume. Three vol-  
umes have now been issued and  
the others will follow in succes-  
sion. Order from

**HORTICULTURE PUBLISHING CO.**  
147 Summer Street, Boston, Mass.

**In writing to Advertisers kindly mention Horticulture**



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ADVANCE VENTILATING APPARATUS. Nothing ever sold so fast as the Advance Ventilating Apparatus. It is a standard and has been used in every kind of building. It is made of the best material. The material will be used in every kind of building. It is the best and the best should be used in every kind of building. Every customer is a well pleased and once a customer always a customer. The service you get from us can not be equalled, which is another advantage you have. Our catalog explains all and you should have one of these in your plant at all times. Repair materials, such as Leak Repair Caps and all kinds of Split Fittings for valves, valves, valves and everything else that can be supplied the same day the order is received. **Get our catalog today—Free.**

**ADVANCE CO.,**

**Richmond, Ind.**

Est. 1765

Inc. 1904

Pot Makers for a  
Century and a Half

**HEWS**

**STRONG  
RED  
POROUS**

**POTS**

World's Largest  
Manufacturers

Standard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower. Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.

Write for Catalogue  
and Discounts

**A. H. HEWS & CO., Inc., Cambridge, Mass.**

Warehouses:  
CAMBRIDGE, MASS.  
NEW YORK, N. Y.

**KING**

The name that assures "the  
most for the money" in

**GREENHOUSES**

Write for Bulletin No. 47  
and you will see why.

**KING CONSTRUCTION CO.**  
28 King's Road, N. Tonawanda, N. Y.

**GREENHOUSES BUILDING OR  
CONTEMPLATED.**

Memphis, Tenn.—Johnston Green-  
houses, one house.

Clayton, Mo.—Werner Bros., one  
house in the spring.

Chestnut Hill, Pa.—Myers & Samt-  
man, house 75 x 600.

Denver, Col.—C. F. Maler, 3914 West  
29th avenue, one house.

Witmer, Pa.—Elias K. Lefever, Lord  
& Burnham house in the spring.

### DAMAGE BY GALE.

The gale on Sunday afternoon, December 26, demolished a green-  
house, 23 x 160, belonging to E. M. Bruce and leased to John W. Lowe, at Leominster, Mass. The greenhouses of Paul F. Brigham at Westboro, Mass., suffered a loss of 200 lights of glass. A large quantity of glass was smashed in the Paine greenhouses at Randolph, Mass., and the roof was lifted causing considerable damage to the plants. At West Boylston, Mass., Charles E. Potter, florist, sustained the near ruin of one of his newest and largest hot-houses. The wind got in under and loosened the supports which held down the glass roof. Mr. Potter discovered it in time, got help, and by means of wire ropes tied down the supports, but meanwhile much glass was smashed.

**SHARP, PARTRIDGE & CO.**

Are Leaders in

**GREENHOUSE GLASS**

OUR PRICES WILL PROVE THIS.

**CHICAGO, ILL.**



This greenhouse which is being used for  
Sweet Pea growing was a repeat order.

The first Metropolitan greenhouse erected  
for Mr. J. L. Poulos of Sea Cliff, Long  
Island, had demonstrated to his complete  
satisfaction the thoroughness of our style  
of construction.

THOROUGHNESS is the key note of Met-  
ropolitan workmanship, not merely the thor-  
oughness of our force right on the job, but  
the thoroughness of our entire organization  
—the work of many units whose knowl-  
edge and experience enable our field forces  
to carry their work of erection to a suc-  
cessful completion, with the least expendi-  
ture of the owner's time and money.

**PUT YOUR GREENHOUSE PROBLEMS  
UP TO US.**

We go anywhere in the U. S.  
with plans and prices.

**Metropolitan Material Co.**

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SYSTEM OF IRRIGATION**

CONTROL the water. Prevent  
drought. Save. Re-  
duce labor. In-  
crease profit.  
Special. Portable  
and for \$11.50 a  
water. 2500 gal.  
per. See for new  
Book.

**THE SKINNER IRRIGATION CO.**  
33 Station St., Brookline, Mass.



**DREER'S**

Florist Specialties.  
New Brand. New Style.

Hose "RIVERTON"  
Furnished in lengths up  
to 50 ft. without seam or  
joint.

The HOSE for the FLORIST

3/4 inch, per ft., 15 c.  
Reel of 500 ft., " 14 1/2 c

2 Reels, 1000 ft., " 14 c  
1/2 inch, " 13 c

Reels, 500 ft., " 12 1/2 c  
Couplings furnished  
HENRY A. DREER,  
714 Chestnut St.,  
PHILADELPHIA, PA.

**STANDARD FLOWER  
POTS**

If your greenhouses are within 500  
miles of the Capitol, write us, we can  
serve you better.

**W. H. ERNEST**

28th & M Sts. Washington, D. C.



## A PROMINENT CARNATION GROWER SAYS THIS ABOUT THE STANDARD RECORDING THERMOMETER

Lancaster, Pa.

Standard Thermometer Co.,  
Boston, Mass.

Gentlemen:

Please send me 25 record plates like the enclosed sample, and I want to say that the machine, bought a good many years back, is keeping up its good work right along. I think it a very useful adjunct to good plant growing, and it should be in every greenhouse, as reference to it may often tell what is wrong with a batch of plants.

Very truly yours, ALBERT M. HERR.

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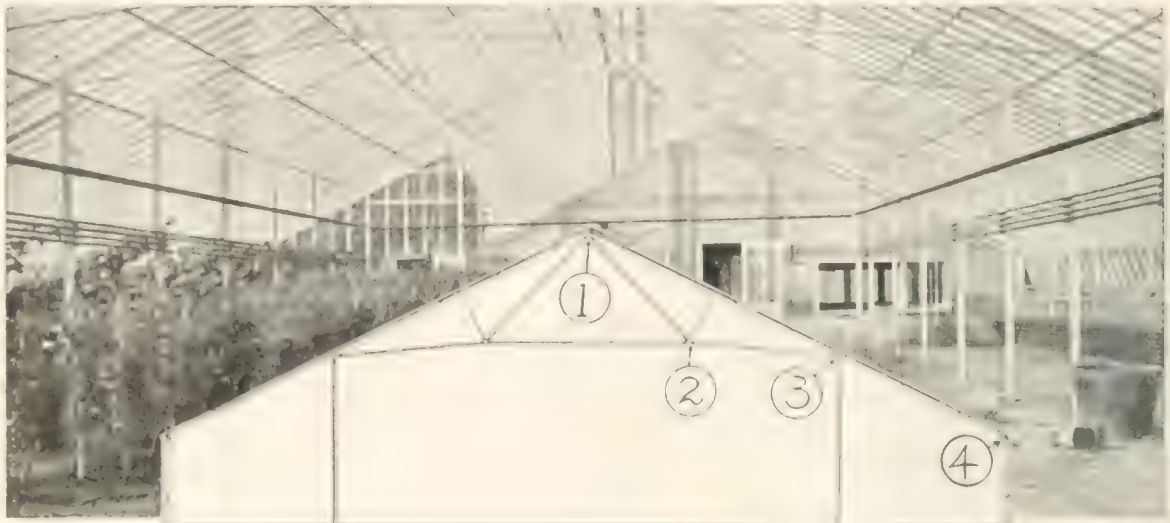
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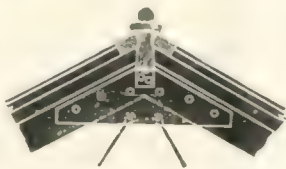
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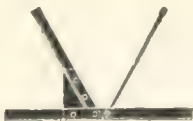


Notice the fine open center space in this 72 foot house erected for W. J. Chaplin, at St. Catharines, Ontario, Canada.

## It Took Over 30 Years to Build This House



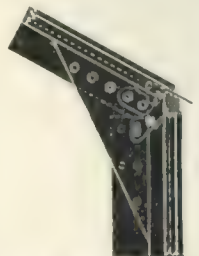
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Vol. XXIII

No. 2

JAN. 8

1916

# HORTICULTURE



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15 in. tubs, 4 plants in a tub, 8 to 10 ft. high	20.00
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6 in. pots, 6 leaves, 34 to 36 in. high			1.50
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6 in. pots, 1 1/2 ft. high, 2 ft. spread			2.00
7 in. tubs, 1 1/2 to 2 ft. high, 2 ft. spread			2.50
8 in. tubs, 2 ft. high, 2 1/2 ft. spread			3.00
10 in. tubs, 2 to 2 1/2 ft. high, 2 1/2 ft. spread			5.00
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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Pope*.

## Asparagus

From now and up to the end of January is a good time to sow *Asparagus plumosus*, *Hatcheri* and *Sprengeri*. They are slow in starting and require all the time from now on to grow into serviceable stock. Sow the seed in flats or pans in a compost of loam three parts, leaf mold two parts and some sand. Cover the seed about an eighth of an inch. Fill the pans within an inch of the top and then press the material moderately firm and on this sow the seed. Cover with glass and shade until they germinate. Pot into 2-inch pots when about two or three inches high, in fresh loam three parts, cow manure one part and a little sand. When they have filled these pots with roots shift into 3-inch and again into 4-inch pots which will serve until they are planted out. Those that you want for pans of poinsettias can be sown later.

## Fuchsias

Old plants of fuchsias can now be potted into a compost of fibrous loam three parts, well rotten manure and leaf mold one part each. Remove all the unripe tops, and they will furnish a nice lot of succulent cuttings later on. Place in about 55 degrees at night, with 10 to 15 degrees more with sunshine. Give water with care until they begin to make lots of roots, when they will stand plenty. On all good days give them a syringing overhead. When 3 or 4-inches long the cuttings can be taken off and placed in a moderately warm propagating bench where they will soon root.

## Gardenias

Before ventilating let the thermometer reach 75 degrees and then only give a little air at a time so as not at any time to cause a chill. Start early in the afternoon and reduce the air the same way, and finally close up early enough so the house will stand at 75 degrees or thereabouts. The temperature should never be allowed to go below 65 at night. Give a good syring-

ing early in the morning on all clear days. Keep the plants nicely tied up. Never let the soil become either overwet or dust-dry as either condition always paves the way for the loss of buds and gives that sickly looking yellow foliage. Look over the benches every day and water any dry spots. Now that the sun is becoming more powerful they can have an occasional light mulch.

## Geraniums

Geraniums should now be potted up from flats using 2-inch pots and those that were potted some time ago should have a shift into 3-inch pots. One of the heavy jobs just now is shifting geraniums from 2 to 3-inch pots. It is always better to do this as soon as possible so as to give the plants a long season. It is better to give two shifts than one. They can be moved successively to 3-inch and 4-inch pots. Use two-thirds of soil that has been stacked up in a pile and mix with one-third of well rotted manure. Add a 4-inch pot of fine bone to each bushel of soil. After potting they enjoy a little bottom heat; so, if you have heating pipes under any of the benches these would provide the necessary warmth. 65 degrees in the day and 45 to 50 degrees at night is sufficient.

## Primulas for the Next Holidays

To have good large plants for next Christmas the first week in January is none too early to sow primula seed. These will make fine stock in 5-inch pots. Large shallow pans are the best. Fill these pans, after giving good drainage, with a light compost of sifted loam and leaf mold in equal parts to which some sand should be added. Press the soil even and give a good watering with a fine hose, and let them stand until the next day when the soil will be in condition to receive the seed. Press the seed in and cover very lightly with finely sifted compost, and again press smooth. Place a piece of glass over the pans. Be sure to buy only the best seed.

Next Week: *Adiantum Farleyense*; Carnations; General Propagating; Lorraine and Cincinnati Begonias; Marguerites; The Trickiness of Ivies.

## INDEX TO VOLUME XXII

Those of our subscribers who bind their volumes of *Horticulture* or who for any other reason may wish to have the index to the contents of Vol. XXII—July 1 to December 31, 1915, will be supplied on application. THEY ARE NOW READY.

## JACKSON T. DAWSON

### HIS WORK AND HIS WORKSHOP

When an occasion in 1910 Jackson Thomas Dawson, as he is called, came, with his wife, to the United States, he brought with him a small collection of plants and a small staff of laborers. He had been in the United States for some time, but he had not yet found his way to the United States. During the Civil War he was in the army, and he was in the United States for some time, but he had not yet found his way to the United States. His long career in horticulture began in 1873, and the dual labors in the field of horticulture of these two men have been more fruitful in results than that of any other combination, past or present, that we have record of. The collection of living plants in the Arnold Arboretum, the most complete on this continent and, when climate is duly considered, not excelled the world over, is a fitting monument to the diligent labors of these two men. But their work begins—not ends—in the Arnold Arboretum, for since the institution's inception a world-wide distribution and interchange of plants has been an important branch of its activities. The result is that in this country, in Europe and elsewhere as remote as New Zealand, many large private establishments, parks and arboreta owe a great number of their choicest plants to the skill of Jackson Dawson and the generous policy of the director of the Arnold Arboretum.

Jackson T. Dawson is known throughout the length and breadth of this country and Canada. He is equally well-known in Europe, where the work of the Arnold Arboretum is better understood and appreciated than it is here in eastern North America. Jackson Dawson's skill in the propagation of all sorts of plants in all sorts of ways is spoken of almost with awe in places far and wide, and his success is proverbial. It would seem as if there was some close bond of communion—some occult understanding—between the plants and the man. But, however this may be, the patient, attentive care of the man seems to bring under submission the most intractable plants, and if a spark of life be left in a stick, a root or a seed it blossoms forth under his persuasive ability.

The picture shows not only the man but his workshop. This greenhouse, only 50 feet long, 20 feet wide and 12 feet high, is a humble structure, but its interior

sense up-to-date interior, for it was built some twenty-nine years ago, has made history as probably no other such structure has. Inspect it closely; its thick wooden beams and rafters are all the work of the man and his staff, and note that plants are crowded in everywhere. It always is and always has been crowded on and under shelf and bench. Unfortunately there are no figures available of the actual number of different kinds of plants in cultivation in the Arnold Arboretum, much less of the number that has been raised there, but the most astonishing fact is that, their number notwithstanding, they have mostly passed through this house in the infantile stages of their careers. This workshop—this tiny greenhouse—is the cradle of the Arnold Arboretum, and Jackson Dawson is, and has been from the commencement, not only nurse but foster-father also. Not more than one hundred yards from the spot where this photograph was taken is growing a Pin Oak (*Quercus palustris*) which is 70 ft. tall and has a trunk nearly 7 ft. in girth and this lovely tree was raised by him from an acorn!

To stroll among the collections with Jackson Dawson and learn the history and origin of this and that tree or shrub is a rare delight.—“This plant came from —, this was raised from seeds which came from Dakota or from the White Mountains, that from seeds collected by Bretschneider in China or by Sargent in Japan; this is a grafted plant, and that is from a cutting received from — in —,” and so the story is unfolded. Not all the new plants he has raised have proved

capable of withstanding this New England climate, and others for reasons not apparent have not proved amenable to cultivation in the Arnold Arboretum, but the wise policy of widely distributing the young plants has preserved them to cultivation elsewhere if not here. The Magnolia portrayed as a frontispiece in this number of HORTICULTURE is an example of such plants and it is a pleasure and a privilege to introduce in the fullness of its blossom this errant beauty to the Nurse of its youth.

Our Editor has asked me to write a few lines to accompany the picture and I feel complimented at the request. But a difficulty arises when one sits down to translate thoughts into sentences. Words seem inadequate or extravagant in their meaning and equally



JACKSON T. DAWSON

## ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur Ruzicka*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

### Fumigation

There is no reason why the plants should be allowed to become infested with greenfly at this time of the year when it is plenty cool enough to fumigate and with many nice preparations made for the purpose. The same applies to spraying. To keep expenses as low as possible it is best to watch the plants closely and apply a dose of spray or fumigate as soon as the least trace of insects can be seen. Do not wait until they increase to large numbers, as it will be hard work to get rid of them then, for the smoke or spray will have to be made quite strong to kill some of the older ones who are pretty tough as a rule. Try to spray or smoke just before syringing. The work should be done the last thing in the evening or at night and never in the daytime unless it is cloudy. In spraying, spray in the morning during the winter and late in the evening during the warm and hot months of the year. To make the fumigating as effective as possible have the plants plenty wet enough. Then do it on a quiet day. When it is raining is an ideal time, as the houses are tighter then, as all cracks and spaces between glass are filled with water.

### Tobacco Stems in the Walks

With winter here, the houses not getting very much air, growers will be thinking of tobacco stems for the walks to keep the greenfly down. Personally I do not like the idea of the stems either, as they make the walk unnecessarily damp. Also the air in the house is not as healthy to work in when charged with the odor of the stems. Growers who smoke will not notice this at all or if they do they will not mind very much. Make no mistake in thinking that these stems will rid the plants of greenfly for they will not. They will help prevent greenfly from spreading but the houses must be clean before the stems are put in. As soon as the stems get stale more will have to be put in, taking the old ones out before doing so. The old stems should not be wasted but should be put on the manure pile as they make excellent plant food when they decay and are very good to use in the vegetable garden.

objectionable on either account. Yet even in this materialistic twentieth century youth may respectfully do homage to age and experience, and in any and every era an indebtedness can be honestly acknowledged. For the attention and loving care he has lavished on the seeds, plants, sticks and roots I culled in the back blocks of western China and Japan, I owe Jackson Dawson a debt of gratitude and my appreciation of his care lacks nothing from a full knowledge of the utter futility of a collector's work when his spoils fall into the hands of the indifferent or incompetent. Though he may be quite unconscious of the fact, it is none the

### Syringing Young Plants

As soon as the young cuttings become established in the pots they will have to be syringed. This work must be done very carefully and with less pressure than what is used for the old plants. Also the spray should be directed to hit the plants as the leaves are pointing and should be steady, moving the nozzle from side to side. No up and down motion should be used at all as this will shake up the cuttings a good deal, and ruin quite a few. In syringing old plants in benches next to the young stock care should be taken not to throw any water from the old plants on to the young as this water is likely to be mixed with some spiders and these would certainly make themselves at home on the little plants. Care should also be taken to syringe the plants very quickly and quite early in the morning so that they will have every chance to dry off before night.

### Watch Out for Worms in the Pots

Sometimes the man applying lime to the benches before the ashes are put on will be a little careless and not cover the soil well and some worms will work up into the pots. If there are not very many it is best to take the plant and knock it out of the pot, and as a rule the worm can be caught right there. If there are many plants affected this way then it will be necessary to give them a dose of lime water which will do away with most of the worms. There are worms in the soil used for potting at times so it is not always a case of careless work in preparing the bench. These may be in egg form, so they may not be noticeable, but as soon as given heat and moisture they hatch out and make a nuisance of themselves.

### Watering

With the dark days of winter here every now and then, great care should be taken not to get the plants too wet. This applies especially to Beauties, and plants that are cut off pretty well. If there is any spot on the plants at all it should be picked off as it is almost sure to spread and be quite bothersome before spring sets in.

less true that virtually every reader of this paper also owes something to this grand old gardener. And the science of Horticulture owes him a lasting debt for his labors toward its uplift. Long may Jackson T. Dawson in health and strength be spared to increase this debt, and to increase in number and variety the plants he loves so well.

*J. H. Wilson*



## WINTER PROTECTION OF STRAW-BERRIES.

In all except the extreme southern and western districts the autumn or early winter is the season in which the strawberry fields should be covered with a mulch, partly to protect the plants from the continual freezing and thawing which occurs in many sections, partly to conserve moisture and keep down weeds during the following spring and during the fruiting season, and partly to keep the berries from contact with the soil when they ripen. This mulch may consist of some kind of straw or hay or of stable manure containing a large proportion of straw, but it should be free from weed seed. Wheat, rye, oat, and buckwheat straw, long-leaf pine needles, prairie hay, marsh hay, salt marsh hay, and other materials are frequently used for this purpose. The mulch should be placed on the berry field after the ground freezes and before it is covered with snow. If a rain follows the spreading of the mulch, less trouble will be experienced from scattering by the wind. The mulch should be spread evenly over the whole field. If available, sufficient material to make the depth of the mulch when it settles from 2 to 3 inches should be used.

Stable manure, though frequently used, is not always satisfactory. In some sections it causes a vigorous leaf growth the following spring and actually lessens the yield of berries. If either the stable manure of the straw contains weed seed, it may infest the berry field with weeds to an extent which decreases the yield and causes much expense in cleaning. When stable manure is applied, the solid portions as far as possible should be put between the rows and that part containing more straw placed over the row. In the spring before the plants start growth, sufficient straw should be removed from the rows to allow the plants to grow through the mulch. This straw may be thrown into the space between the rows. Where the ground is weedy, it will often be necessary to rake the mulch upon the rows of plants and cultivate the field. The mulch is then returned to the middles between the rows of plants to be left until after the picking season.—*Weekly News Letter U. S. Dept. of Agri.*

**Fall River, Mass.**—George L. Freeman, promoter of the defunct Geo. L. Freeman Company, has claims against it which he has prosecuted by means of a bill in equity. There were other bills in equity entered by other claimants. The claims are all now before F. L. Hanson as master. A. S. Thurston is receiver for the company.

**HORTICULTURE Publishing Company:**

I gladly enclose one dollar for renewal to HORTICULTURE for 1916. May the New Year be a prosperous one for HORTICULTURE and its publishers, including "Ed."

Sincerely yours,  
New Rochelle, N. Y. F.

## CYCNOCHES.

All the species of *Cynoches* are extremely interesting owing to their curious flowers and their habit of producing flowers of both sexes on one and the same pseudo-bulb. In most species the difference between the male and female flowers is very distinct, the male flowers as a rule being produced on long, many flowered scapes, whereas the female flowers are produced in short 2 or 3-flowered scapes; these latter much larger and of more substance than the former, one female flower equalling in weight about twenty male-flowers, and they also vary in color. All the species produce male flowers frequently but female flowers only on rare occasions and only under very favorable conditions. At this season of the year most of the species will be at rest and will require very little if any water until the new growth appears at the base



CYCNOCHES MACULATUM.

of the last made pseudo-bulbs. As soon as these new growths show signs of making roots, the plants may be shaken out of their pots, all dead roots cut away, and repotted in new compost consisting of a good quality of osmunda fibre, chopped rather fine and a little live sphagnum moss and coarse sand or finely broken crocks mixed with it. Watering must be done with great care until the roots have taken a firm hold of the new compost and at no time should water be allowed to stand in the new growth, else these are very apt to rot off. When the new bulbs commence to form and until they are completed they can receive more liberal supplies of water with an occasional dose of weak liquid manure water. *Cynoches* require at all times a light, sunny position in the warmest house, being best suspended from the roof where they will get the maximum amount of light and heat. *Catasetums* and *Mormodes* will require similar treatment to grow them to perfection.

*C. maculatum*, the subject of the accompanying illustration, is a native of

Mexico, flowers buff-colored, thickly spotted with purple.

M. J. POPE.

## FIGHTING MOTHS WITH PARASITES.

Over 12,000,000 specimens of two parasites which prey on the gipsy moth and brown-tail moth were released in 201 towns in Maine, New Hampshire, Massachusetts and Rhode Island during the fall of 1914 and spring of 1915, according to the annual report of the Bureau of Entomology, United States Department of Agriculture.

As a result of the successful establishment of colonies of these and other parasites which feed on the gipsy and brown-tail moths, marked progress is being made in reducing these pests. Effective cooperation is being afforded by the states, which carry on as much work as possible within the infested areas, thus allowing the Federal authorities to carry on field work along the outer border of infestation, so as to retard the gipsy moth's spread.

### Spread of the Gypsy Moth.

As a result of scouting work carried on by the entomologists in 223 towns in New England, the gipsy moth was found in 4 towns in Maine, 23 in New Hampshire, 3 in Vermont, 10 in Massachusetts, and 10 in Connecticut, making a total of 50 towns where the insect had not been previously reported. This scouting consists in an examination of all roadsides, residential sections, orchards and woodlands. Where colonies are found the egg clusters are treated with creosote and the trees are banded with tree tanglefoot and sprayed with arsenate of lead.

### Brown-Tail Moths Decreasing.

The spread of the brown-tail moth during the past year has been considerable, the indications being that this pest has not infested any territory other than that already reported. In cooperation with the United States Lighthouse Service, the work of collecting moths at night along the coast of Connecticut and Long Island has been continued.

Other activities of the Bureau in relation to the gipsy moth include the inspection of forest products, nursery stock, and stone and quarry products shipped from gipsy moth territory, as well as extended investigations along other lines.

Among the many New Year Greetings received this week is one sent out by Doubleday, Page & Co., which is particularly attractive, showing a view of their buildings and grounds at Garden City, N. Y.

**HORTICULTURE, Boston, Mass.:**

Dear Sirs:—I gladly enclose one dollar for your valuable paper, which I appreciate and enjoy weekly.

Yours faithfully,  
Cooperstown, N. Y. F.

## CLUBS AND SOCIETIES

### AMERICAN CARNATION SOCIETY

On January 22-23-24 the American Carnation Society will hold its 1916 Annual Convention and Exhibition at St. Louis, Mo. Arrangements have been made for lectures and business sessions in the Planters Hotel, which offers facilities unsurpassed for that purpose. St. Louis being the terminus of many of the east-coast railroads, there should be no difficulty in reaching the convention from all directions. There should especially be a large attendance from west of the Mississippi and those growers will have opportunity as never before to exhibit blooms.

The exhibition will be staged by 1 o'clock, and after the judging is finished it will be held for inspection by the members until 8 P. M. at which time the public will be admitted and the first business session will be called to order. No admission will be charged at the door and the public will be admitted on Wednesday evening, Thursday afternoon and evening.

The members are requested to attend the business sessions, the first of which will be called to order at 8.00 P. M. Wednesday. Another session will be held on Thursday morning and, if necessary a third one on Thursday afternoon. Nomination of officers on Wednesday evening, election on Thursday morning. The banquet will be served on Thursday evening.

The schedule of prizes for the exhibition has just been received. Copies of same may be had on application to the Secretary, A. F. J. Baur, Indianapolis, Ind.

The party from Boston for the A. C. S. meeting at St. Louis will leave the South Station at 2 P. M., on Jan. 24, arriving at St. Louis by 9.55 P. M., Jan. 25th. This is the best connection we can possibly make, as it gives us ample time to prepare for the exhibition on Wednesday.

The fare, individual, \$28.50; 10 or more, \$26.35; upper berth, \$5.20; lower berth, \$6.50; drawing room, \$23.00.

The drawing room will be reserved for any one wishing to take flowers for the exhibition as on previous occasions.

If you are contemplating making the trip please advise me as soon as convenient and I will make all necessary reservation.

Yours sincerely,

S. I. GOODARD

Framingham, Mass.

### MASSACHUSETTS HORTICULTURAL SOCIETY.

The Inaugural Meeting of the Massachusetts Horticultural Society for the year 1916 will be held at Horticultural Hall, Boston, on Saturday, Jan. 8, at eleven o'clock.

The business of the meeting will be

## Meetings Next Week

### Monday, Jan. 10.

Connecticut Horticultural Society, Eastern Branch, New Britain, Conn.; Dutchess County Horticultural Society, Poughkeepsie, N. Y.; Morris County Florists' and Gardeners' Society, Madison, N. J.; Nassau County Horticultural Society, Poughkeepsie, N. Y.; Garden City, N. Y.

### Tuesday, Jan. 11.

Portland Horticultural Society, Portland, Me.; New York Horticultural Society, New York, N. Y.; Newport, R. I.

### Wednesday, Jan. 12.

Connecticut Horticultural Society, Eastern Branch, New Britain, Conn.; Dutchess County Horticultural Society, Poughkeepsie, N. Y.; Morris County Florists' and Gardeners' Society, Madison, N. J.; Nassau County Horticultural Society, Poughkeepsie, N. Y.; Garden City, N. Y.

### Friday, Jan. 14.

Connecticut Horticultural Society, Eastern Branch, New Britain, Conn.; Worcester and Fairfield Horticultural Society, Doran's Hall, Greenwich, Conn.

the delivery of an inaugural address by the new president, Richard M. Saltonstall, the report of the board of trustees, the reports of officers and the reports of the chairmen of the various committees of the society for the past year.

WILLIAM P. RICH, Sec.  
Horticultural Hall, Boston.

### ST. LOUIS MEETINGS.

The St. Louis Florist Club meets next on January 13th in Odd Fellows' Hall, at 2 o'clock prompt. A great attendance is looked for.

Mrs. F. C. Weber, Sr., will entertain the Ladies' Florists' Home Circle for its New Year's meeting at her home on Berlin avenue, Wednesday, January 12th, at 2 o'clock.

The Retail Florists' Association will meet at the Mission Inn, Monday, January 17th, at 8 P. M.

The meeting of the Missouri State Horticultural Society takes place January 12, 13, 14, at the Planters' Hotel. Thursday, the 13th, will be "Florists' Day." Several members of the Florist Club are down to read papers during the morning session.

The County Growers' Association held its New Year meeting Wednesday, January 5th, at the Eleven Mile House.

### NATIONAL ASSOCIATION OF GARDENERS.

President William N. Craig, of the National Association of Gardeners, has appointed the following directors to serve three years: John W. Everitt, Glen Cove, N. Y.; Thomas W. Logan, Jenkintown, Pa.; Robert Cameron, Cambridge, Mass.; James MacMachan, Tuxedo Park, N. Y.; A. Bauer, Deal Beach, N. J.; David Fraser, Pittsburgh, Pa.; George W. Hess, Washington, D. C. To fill the unexpired term of W. N. Craig, to serve until 1918: William J. Kennedy, Chestnut Hill, Mass. To fill the unexpired term of A. J. Smith, to serve until 1917: Thomas W. Head, Lake Forest, Ill. To fill the unexpired term of Theodore Wirth, to serve until 1917: L. P. Jensen, St. Louis, Mo.

The following committees have been appointed by President Craig to serve for the year 1916:

National Cooperative Committee—W. N. Craig, Brookline, Mass.; Theodore Wirth, Minneapolis, Minn.; James Stuart, Manamans, N. Y.; Martin C. Ebel, Madison, N. J. Committee on Essays and Horticultural Instruction—William H. Waite, Rumson, N. J.; Edwin Jenkins, Lenox, Mass.; Arthur Smith, Reading, Pa.; Theodore Wirth, Minneapolis, Minn.; William Downs, Chestnut Hill, Mass.

Committee on Meritorious Exhibits—William Kleinbehn, Ogontz, Pa.; Alexander Mackenzie, Highland Falls, N. Y.; William Hertrick, San Gabriel, Cal.; Duncan Finlayson, Brookline, Mass.; Albin Martin, Lake Geneva, Wis.

Committee on Bird Preservation and Propagation—L. P. Jensen, St. Louis, Mo.; Robert Williamson, New Canaan, Conn.; Carl N. Fohn, Colorado Springs, Colo.; William Rennie, San Rafael, Cal.; William Reid, Orange, N. J.; A. J. Loveless, Lenox, Mass.

### BOOMING THE NATIONAL FLOWER SHOW.

The following communication has just been received from Chairman Therkildson, of the Philadelphia National Flower Show Publicity Committee:

Editor HORTICULTURE:

Dear Sir—Enclosed you will find copy of the Poor Richard Almanac. This is the official organ of the Poor Richard Club of this city. As you perhaps know, this club is behind the Convention of the Associated Advertising Clubs of the World. The Poor Richard goes to all Associated Clubs, and they are using the Flower Show poster stickers.

In a day or two I will send you an eight-sheet poster covering the billboard advertising that we expect to do in connection with the National Flower Show. There will be 830 of these posters in the Philadelphia and New York districts, together with 1000 single sheet posters 28 by 42, and many thousands of window cards of two sizes will be distributed.

We hope to have the mayor declare March 25 to April 2nd Flower Show Week. We are anticipating a line of publicity such as has never been equalled before, and if the present plans go through without a hitch we

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We are in a position to handle consignments of any size, large or small.  
Prompt remittances made immediately goods are sold.

will have some real publicity. On page 3 of the Poor Richard Almanac you will find a reference to the National Flower Show and the way the publicity is being handled.

Sincerely yours,

W. F. THERKILDSON,

Chairman, Publicity Committee, Fourth National Flower Show.

## CLUB AND SOCIETY NOTES.

The next meeting of the Cincinnati Florists' Society will be held on Monday, January 10th, at Labold & Newburgh's, 8 East Third street.

The eleventh annual dinner of the Tarrytown Horticultural Society will be held at the Florence Inn, Tarrytown, N. Y., on Tuesday evening, Jan. 11, at 7 o'clock.

The Collingwood (N. J.) Horticultural Society has elected the following officers for 1916: President, H. R. Lippincott; vice-president, Kathryn Brown; secretary, Myrton A. Bryant; treasurer, John L. Root.

A regular meeting of the New Jersey Floricultural Society will be held on Monday evening, January 17, 1916, in O. U. A. M. Hall, Park and Main streets, at 8 P. M. Meeting date has been changed to third Monday in month during 1916.

At the 60th annual meeting of the Illinois State Horticultural Society held at Champaign, the following officers were elected: President, W. S. Perrine, Centralia; vice-president, A. W. Brayton, Mt. Morris; secretary, A. M. Augustine, Normal; treasurer, J. W. Stanton, Richview.

At the annual meeting of the Massachusetts Nurserymen's Association at the Hotel Bellevue, Boston, the elimination of the parasite evil was the principal subject discussed. H. T. Fernald read a paper on "An Inspection Problem." G. Howard Frost was elected president to succeed Charles Adams.

Philadelphia.—George C. Watson is just out again after a serious attack of the grippe which confined him to his bed for more than a week and has left him a much used-up victim with the evidences of the scrimmage very palpable.

**TREES**  
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This New England climate produces fine hardy shrubs. Special trade prices. By the thousands, hardy Native and Hybrid Rhododendrons—transplanted and acclimated. Let us estimate.

## PUBLICATION RECEIVED.

The Cherries of New York. By U. P. Hedrick, assisted by G. H. Howe, O. M. Taylor, C. B. Tubergen and R. Wellington. The Department of Agriculture of the State of New York has in this magnificent volume made a most notable and praiseworthy addition to the pomological annals of the state. The Cherries of New York is a worthy follower to the previous similar publications on The Apples of New York, the Grapes of New York and The Plums of New York and its contents are compiled with the same assiduous industry and wide research which gained for those volumes an unique position and prestige among American horticultural publications.

The book is issued as the Twenty-Second Annual Report of the Department—Vol. 2, Part 11, and bears the imprint of J. B. Lyon Company, State Printers, Albany. There are 371 pages of text, with 56 full-page color plates of cherry species and varieties, life size, either flowers or fruit. In the text several hundred varieties are listed and fully described. The seed parent is given for 61 varieties, but no case is recorded of a variety known to have come from self-fertilized seed, neither is any cherry cultivated for its fruit reported to have come from a sport or a bud-mutation. 147 are put down as "chance seedlings." The total number of cherries under discussion is 1,145, of which 917 are described as of unknown origin. The multitude of cross references to literature ancient and modern, the scientific facts which have been accumulated regarding the habitat and origin of the many species of prunus, and the exhaustive cultural and historical information which have been so industriously gathered and are now given to the public in such an attractive and useful form will make this publication a highly prized possession for the fruit grower, amateur or professional.

We have taken occasion heretofore to mention in sincere approbation the faithful, conscientious work so evident in these fruit volumes, and welcome this opportunity to again commend Professor Hedrick and his co-laborers for this new achievement.

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### PACHYSANDRA TERMINALIS AS A GROUND COVER.

For many years past, the plant has been used as a ground cover in effect to plantings where grass can only find a struggling existence. In recent years, *Pachysandra terminalis* has often been used as a substitute for *Vinca minor*. As a ground cover the latter is unquestionably very satisfactory, but one objection to its more general use is its frequency in cemetery planting, hence *Pachysandra terminalis* has found a welcome with the discreet planter.

Whether for a city lot or a suburban home, or large estate, or for pleasure resorts and public parks, oftentimes we have to resort to a ground cover to complete the pleasing effect and *Pachysandra terminalis* is well adapted for either situation.

To harmoniously complete a group of evergreens or deciduous planting in the border, or especially near a dwelling, *Pachysandra terminalis* makes an ideal under cover, thus evading the exposure of unplanted ground, or grass which must be mowed every week. Lawn mowers or other implements will often do much damage when manipulated too closely to the trees and often injure the bark of plants, however careful the workman may be, the damage often resulting in the loss of some valuable plant.

The saving of labor by the use of *Pachysandra* holds good also in regard to steep bankings which often are a very hard proposition to keep in a satisfactory condition if seeded down in grass.

One feature worth mentioning in the use of *Pachysandra* as a ground cover is that by planting spring flowering bulbs in the midst of it a most pleasing effect is gained, with the one great advantage that after the foliage of the bulbs has shrivelled there will be no noticeable gap, on account of the profuse evergreen cover.

The writer further has in mind the planting of *Pachysandra* as used by Duncan Finlayson, superintendent of the Larz Anderson estate. There one can see this plant used as an edging in front of shrubbery borders with beautiful effect, and taking the place of low box edging, with the difference of being less stiff than the latter and more adapted to our climate.

Without doubt there are many nooks



A FIELD OF *PACHYSANDRA TERMINALIS* AT OLD TOWN NURSERIES, SOUTH NATICK, MASS.

and corners on estates where horticulture is practiced where plantings of *Pachysandra* might be more generally used and to refined effect. It is a perfectly hardy evergreen and will do equally well in either sun or shade.

M. P. HAENDLER.

South Natick, Mass.

### NEW CORPORATIONS.

Franklin, Pa.—Bell Floral Co., incorporators, Philip A. Edward, Rachel L. and Anna Bell.

Pittsburgh, Pa.—Keystone State Nurseries, capital stock \$5,000. Incorporators, J. M., F. R. and D. G. George and M. L. Sweeney.

Malden, Mass.—Through the efforts of Park Commissioner J. G. Tilden a rest room is being erected on Ferryway Green, equipped with shower baths, lockers, etc. for men, and retiring rooms for ladies. The main room above on the street level will be used as a rest room for mothers with children. Com. Tilden is an enthusiastic worker in behalf of the playground and the young people throughout the city have enjoyed outdoor sports through his untiring efforts. There has been some talk of naming Webster Playstead Tilden Lea in his honor.

### THE PRAIRIE STYLE OF LANDSCAPE GARDENING.

The Middle West is just beginning to evolve a new style of architecture, interior decoration, and landscape gardening in an effort to create the perfect home amid the prairie states. This movement is founded on the fact that one of the greatest assets which any country or natural part of it can have, is a strong national or regional character, especially in the homes of the common people. Its westernism grows out of the most striking peculiarity of middle-western scenery, which is the prairie, i.e., flat or gently rolling land that was treeless when the white man came to Illinois. One landscape gardener has done, since 1901, \$6,000,000 worth of work, which he declares has been inspired by the prairie. Some of the progress that has been made toward a prairie style of architecture is illustrated in "The Prairie Spirit in Landscape Gardening," by Wilhelm Miller. This is a 36-page circular containing 100 illustrations published by the University of Illinois. It is too expensive for unlimited free distribution, but is sent to Illinoisans who will promise to do some permanent ornamental planting within a year.—*Univ. of Ill. Press. Bulletin.*

## REMOVAL NOTICE

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### Seed Trade

Philadelphia, Pa.—The Philadelphia Seed Company has increased its capital stock from \$25,000 to \$50,000.

Chicago, Ill.—Carter's Tested Seeds of London, Eng., have established a branch at 230 S. La Salle street.

Imports at the Port of New York, of horticultural material, for the week ending Dec. 24 were recorded as follows:

Plants and trees—From Japan, \$408; England, \$3,138; Ireland, \$729; Brazil, \$366; France, \$310; Netherlands, \$913; Trinidad, \$310.

Grass seed—Netherlands, \$611; Ireland, \$713; Canada, \$368.

Red clover seed—France, \$43,168; England, \$8,273.

Other clover seed—Canada, \$3,990.

Other seeds—France, \$4,955; Germany, \$168; Netherlands, \$17,980; England, \$13,229; Spain, \$351; Argentina, \$9,077; Japan, \$16.

Bulbs, etc.—Belgium, \$1,324; Germany, \$2,925; Netherlands, \$1,945; England, \$181; Japan, \$1,391.

#### CATALOGUES RECEIVED.

M. Herb, Naples, Italy.—Wholesale Catalogue of Seeds. In three languages—English, French and German. Illustrated.

Holmes-Letherman Seed Co., Canton, O.—"Holco" Seeds, Bulbs and Plants, 1916. A neatly gotten-up catalogue, 84 pages, illustrated.

Elmer D. Smith & Co., Adrian, Mich.—"Chrysanthemums for Every Purpose," 1916. The title tells the story. As usual, this is a valuable list for the grower who wishes to know the novelties.

Chris Reuter, New Orleans, La.—Reuter's Seeds for the South, Spring 1916. The people of the South will have no cause to grumble at their fare this season if they live up to the familiarity of vegetables listed in this book.

Henry F. Michell Co., Philadelphia, Pa.—Wholesale Catalogue and Price List of Seeds, Bulbs, Plants, Fertilizers, Poultry Supplies and Garden Requisites. A 112-page catalogue, illustrated and comprising an invaluable list of material of distinctive value to the trade, inclusive of some very seductive novelties.

Harry A. Bunyard Co., Inc., New York—Price List of Seeds, Bulbs, Plants and Garden Supplies, for Spring, 1916. This catalogue is minus illustrations with the exception of that on the covers but the space thus saved

permits of its being made into narrow pages so that it may be conveniently carried in an ordinary coat pocket and the lists which fill its 112 pages are well selected. The cover illustration is of the new red annual sunflower embossed in natural colors on a white background and very effective.

J. M. Thorburn & Co., New York.—1916 Catalogue of Thorburn's Seeds. As if in anticipation of a bright and prosperous 1916, Messrs. Thorburn & Co. have in this, their 105th Annual Catalogue, departed from the time-honored modest grey cover and illuminated the title page with a very artistic and pleasing design in rich color. "Reliable seeds" is still the slogan of this oldest of American seed houses. The lists are very extensive, containing many specialties that are already of high repute and novelties that promise gratifying progress for the coming season.

Henry A. Dreer, Philadelphia, Pa.—Dreer's Garden Book, 1916. The 78th annual edition of this splendid publication comes to us in a rich and dignified dress of dark blue with gold embossed lettering and no other ornament or furbelow, and it will not be inappropriate or obtrusive in the library or ladies' boudoir. It fills 292 pages with cover and there are four pages of special offers, printed in green. There are five colored inserts of much beauty, especially those of roses and phloxes. The novelty lists in vegetable and flower seeds are as usual very interesting and enticing. Sweet peas, asters, zinnias, snapdragons, delphiniums, etc., are well represented in the advances of the year. Aquatic plants are given a section by themselves—ten pages, handsomely illustrated.

W. Atlee Burpee Company, Philadelphia.—Fortieth Anniversary Supplement, 1876-1916. This publication under the title of "Forty Years Burpee Service," is in no sense a catalogue, yet it well fills its intent as a supplement to amplify the interest and value of the catalogues of this enterprising seed house with facts concerning the diversified interests and operations which are a part of the outfit and the work of such an establishment, which, as Mr. Burpee said, is "a business builded not for the present only, but with an outlook to the future. A business that has no vision of the future or the object of which is mere money-making, would not be worthy a life's work." The book contains 84 pages, profusely illustrated with views in Philadelphia, Fordhook and Lompoc, all of which help to give some idea of the extent of the industry so zealously nurtured by its late gifted founder and bespeaks both by pen and picture the

methods of the House of Burpee. Cover and layout are the work of W. F. Therkildson, Burpee advertising manager.

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Clinton, Ia.—Geo. E. Dallam, 109 S. 6th street.

Portland, Ore.—Fred Wiedeman, Sweetland building.

Los Angeles, Cal.—Redondo Floral Co., removing from Third to Seventh street.

**NEWS NOTES.**

Cincinnati:—C. J. Jones, of the Walnut Hills Floral Bazaar, had the large veldade decorations at the Country Club.

St. Louis.—Mrs. M. M. Ayers, who sold her interest in the M. M. Ayers Floral Co. a year ago and promised to stay with the new firm one year, ended her connection with the Ayers Floral Co. December 31st, and will retire for good, which is much regretted by the entire trade.

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Albany, N. Y.—The Rosery, 23 Steuben  
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Albany, N. Y.—Danker, 40-42 Maiden  
Lane.

Albany, N. Y.—William C. Gloeckner, 97  
State St.

Boston—Thos. F. Galvin, 1 Park St.

Boston—Penn the Florist, 37-43 Brom-  
field St.; 124 Tremont St.

Buffalo, N. Y.—S. A. Anderson, 440 Main  
St.

Brooklyn, N. Y.—C. C. Trepel.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan  
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Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415  
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25  
Clinton Ave., N.

Rochester, N. Y.—Salter Bros., 38 Main  
St., West.

St. Louis, Mo.—Fred C. Weber, 4326-28  
Olive St.

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## NEWS ITEMS FROM EVERYWHERE

### CHICAGO.

A fire in a small building and water from the street is being controlled for the time being by the fire department of the L. A. Building, South Broadway.

Phil Schupp has his office force closing up the books for the year and taking account of the winter business. Ordinarily located in the shipping room lively for the J. A. Budlong Co. is one of the large shipping houses of this city.

Paul Klingsporn, of the Chicago Flower Growers Association, says that only fancy snapdragons sold at a price corresponding to the stock, will pay for the growing. Some of the stock coming into this market is excellent; good heavy heads and long stems and they sell at once but small stock is not a profitable crop.

The round, solidly built bouquets, of formal type, still lead in social fashions. Their quaint mixtures of colors, when confined to the soft tones, have a suggestion of demureness which makes them particularly fascinating for the debutante. The new year is opening with coming-out parties in which flowers and their arrangement are an important factor.

A fire demolished the building at 127 N. Wabash Ave., early in the morning of Dec. 29, in which was located the retail store of the Harry Rowe Co. The loss is a complete one, well covered by insurance. Mr. Rowe did not know of the fire till he saw the news in a morning paper. His business address for the present is The Garland Bldg., cor. Wabash Ave. and Washington St. Adjoining the destroyed building is the one occupied for so many years by the E. H. Hunt Co. and by Bassett & Washburn, the latter having moved last fall and the former gone out of business some years ago. The building was injured but not destroyed.

The epidemic of grippe which has seized upon Chicago is bringing its toll of victims. Always the chief cause of the purchase of flowers, funerals in such increased number must have a large bearing on trade conditions. The almost unbelievable number of 1100 deaths is recorded in the local papers as occurring in one week. This is an unprecedented record in the history of Chicago, save in the cases of the Iroquois and the Eastland disasters. The usual dropping off of the florists' business after a holiday season has not occurred this year and the falling off of the supply of roses makes the situation one that keeps prices up almost to the Christmas schedule.

The Park conservatories have not

been so well patronized by the public during their holiday displays this year as usual. At Garfield Park, the stock and seeds were a mass of red and white as were also the curved side-benches whose sloping banks of palms reached the point where glass dome and side walls met. Poinsettias almost touched the glass and between them and in sharp contrast were dotted the clusters of paper white blossoms. Begonia luminosa afforded a low growing red plant and A. Koch, superintendent of the park says this variety has remarkable keeping qualities and is an equally good Christmas plant or outdoor summer plant. Long clusters of red berries of Rivina humilis, afforded more color. The end beds were varied by the use of pink begonias and azaleas with the paper white narcissus.

### SAN FRANCISCO.

J. Epstein, of the Art Floral Co., is back on duty after being confined to his home for several days by illness.

The Ladies' Auxiliary of the Pacific Coast Horticultural Society is concluding preparations for a social to be given next week in conjunction with the men's association.

Chas. Willis Ward, of Cottage Garden Nurseries, Eureka, Calif., has a large force at work clearing the 232 acres of land on Yager Creek, near Carlotta, which he purchased recently. Improvements are progressing at the Eden plant also, including a dam and large reservoir at the extreme eastern point.

The affairs of the Luther Burbank Co., a corporation organized three years ago to exploit the work of the Santa Rosa horticulturist, reached a climax the past week when Burbank filed suit in the superior court to collect \$9,775 from the Luther Burbank Co. This amount is alleged to be due on two promissory notes given Burbank by the company and signed by R. J. Hough, vice-president, and Leo V. Belden, secretary.

While the Exposition is a thing of the past, its effect is felt in certain lines of business, and it is believed by many of the florists that theirs will be one of the lines to feel its influence for a long time to come. Through the various flower shows held at the Exposition the public was given the opportunity of seeing the finest new creations in flowers, and the tendency is now to demand extra fine stock from the trade. In response to this demand the growers are using more than usual care in their new plantings, realizing that good stock will bring high prices and that ordinary offerings will be hard to dispose of at any price.

### PITTSBURGH.

George E. Hallam, of the North Side, has recently recovered from a six weeks' attack of pneumonia, is again confined to his home with acute abscesses of the glands of the neck.

James Thompson, a shipping clerk for the E. C. Ludwig Company, was fatally injured in a Pittsburgh Railway accident on New Year's evening, and at time of writing is at the point of death.

Edward E. Ludwig, the younger son of Mr. and Mrs. Ernest C. Ludwig, returned last Wednesday to Cornell University, where he is specializing in floriculture in the College of Agriculture.

Ray J. Daschbach has charge of the new floral department recently inaugurated in "The Big Store" of Kaufmann Brothers. Mr. Daschbach continues his own flower shop on Wood street, with his former head saleswoman, Miss Catharine Friel, as manager.

Owing to the rather isolated headquarters of the Civic Club of Allegheny County on the fifth floor of the Keenan building, the organization's much-talked of, famous Christmas tree has been removed downstairs to a prominent window of the A. W. Smith Company.

G. P. Weaklin is again in his store after a severe attack of la grippe. Among other flower people who have been victims of the prevailing epidemic, are the following: Frank M. Stafford and William G. Picketts of Randolph & McClements; Harry E. Graves, Charles F. Manke and Oliver Beet of the Ziegler Company; Anthony W. Smith, Jr., and James Ford of the A. W. Smith Company; Mrs. E. A. Williams and Louis R. Biehl of the E. C. Ludwig Floral Company. Five employees of the Pittsburgh Cut Flower Company are detained from business by the same disease.

### WASHINGTON, D. C.

The annual opening of bids for the supply of seeds to the United States Department of Agriculture will take place at 2 o'clock, January 11.

The decorations on the occasion of the New Year reception to the delegates to the Pan American Scientific Congress were by J. H. Small & Sons. The already elaborate decorations of the building were augmented by a large quantity of flowers, plants, shrubs and trees. Colored illuminations added to the beauty of the scene. The buffets were decorated with Lady Stanley and Mrs. Moorfield Story roses, while these, poinsettias and other flowers were used in profusion in the different rooms of the building.

The National Theatre was decorated by Gude Bros., when the delegates attended the performance en masse.

# To the Florists of America

## A HAPPY NEW YEAR

We hope that you will all have a Happy and Prosperous Year all through

**1916**

We shall do our part to make it so. The goods we offer are **new, original and profitable for the up-to-date florist.** Many of them we handle exclusively; of the rest we handle more than any other supply house in this country.

*Send for Our Silent Salesman*

**THE FLORISTS' SUPPLY HOUSE OF AMERICA**

**H. BAYERSDORFER & CO.,** 1129 Arch Street,  
PHILADELPHIA, PA.

Here each of the boxes were decorated with laurel-festooned wall pockets filled with Richmond roses. The boxes were banked with palms and ferns. The mirrors at either side of the stage were outlined with smilax with Richmond and Killarney roses entwined.

Congressman Frank Park of Georgia has presented a bill in Congress to appropriate \$25,000 for the establishment of an experimental station in Colquitt, Miller County, Ga., for the purpose of demonstrating the character of plants, shrubs and trees best adapted to the soil and climate of that section. The appropriation is to be used in securing the necessary land, buildings, stock, implements, machinery, etc. The measure has been referred to the Committee on Agriculture.

### BOSTON.

Joseph Margolis, of H. M. Robinson & Co., went to New York last Saturday to see his mother, who is reported to be very ill.

Bert Sloane, one of the partners of the New England Florist Supply Company, and Miss Frances Gresaver of Winthrop, will be married January 26th.

C. S. Strout, of Biddeford, Me., the carnation man, who was a market visitor this week, reports that conditions through Maine are about the same as in Boston.

H. Ruppert, of the Carbone traveling staff, has left for a three months' tour of the West. He is going over the territory formerly traveled over by John McCarty, who is now with the M. Rice Co. Alex. Abrams has been taken from the retail department and placed in Mr. Ruppert's place. He will travel over the northern and southern territory.

The Horticultural Club of Boston held the usual monthly session in the Parker House on Wednesday evening, January 5. W. A. Manda was the speaker and gave an address of sterling worth on the subject of hardy

herbaceous plants, which was followed by a vigorous debate lasting until 11.20 P. M. The table decorations were a vase of Mr. Manda's seedling cerise carnation, and one of Erlangia tomentosa from President Farquhar.

Since the call for prizes for the Florists' Bowling Association of Boston went out, several very handsome articles have been presented. Amongst them is a fine cut glass vase from the T. J. Grey Co. and a gold-leaved mirror from the Boston Plate Glass Co., besides several very handsome cups. The association has promises for about twenty cups and when they are all received they have decided to display them around in the different show windows of the flower shops.

## Obituary

Norton Huggins.

Norton Huggins, employed for the past two years in the greenhouses of Galen L. Stone, Marion, Mass., was drowned, together with Albert Bradley, who conducted a boarding house for the men on the Stone estate, while out in a row boat in Buzzard's Bay during the blizzard of Sunday, December 26. Mr. Huggins was 24 years of age, unmarried, and a native of Scotland.

George Dobbs.

George Dobbs, 64 years of age, founder of the firm of Dobbs & Son, Auburn, N. Y., died at his home December 19th. He had been ill but a few hours, death being caused by a paralytic stroke. Mr. Dobbs was born in England but came to this country when a boy, and at one time had been employed in the greenhouses of John N. May, of Summit. In 1893, he secured the Dunning greenhouses in Auburn and started in business for himself. He is survived by his son William, who was associated in business with him, a daughter and four sisters.

William W. Foster.

William W. Foster, a prominent flor-

ist of Westerly, R. I., died suddenly on December 26th. He was seeing a friend off at the station at Westerly and became unconscious in the waiting room and never recovered. The doctors reported heart failure as the cause of death. He was a rose grower for the wholesale market and retired from business on account of poor health last May, renting his establishment to Lewis P. Rankin. His brother-in-law, Samuel S. Pennock of Philadelphia, and all the family were there for the Christmas holidays and his sudden demise was a great shock to all. He was unmarried and lived with his sister's family.

William H. Bowker.

The funeral of William Henry Bowker of Boston and Concord, a recognized authority on agricultural chemistry and fertilizers, and a member of the first class at the Massachusetts Agricultural College was held Thursday afternoon, January 6, in Emmanuel Church, Boston. The deceased was born in Natick July 3, 1850, and after being graduated from the State College at Amherst, of which he was a trustee up to the time of his death, he engaged in newspaper work. He taught journalism, conducted a drug and chemical business with his brother in the city, and finally, at the age of 23, entered another partnership for the sale of fertilizers, on which he became an authority. He was president of the Bowker Fertilizer Company of Boston. He was also a director of many concerns and belonged to several Boston clubs.

Portland, Conn.—Mr. and Mrs. Otto Keser observed the 25th anniversary of their marriage on Christmas. Mr. Keser was born in Gmund, Germany, and Mrs. Keser in Staffordshire, England. Fourteen years ago they bought the F. L. Sellev greenhouses in Portland. The establishment has been enlarged from time to time and a very substantial business and enviable personal standing in the community has been attained.

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10,000....\$1.75 50,000....\$7.50. Sample free.  
For sale by dealers.

37 and 39 West 28th St., NEW YORK

	BOSTON	ST. LOUIS	PHILA.
Roses	Jan. 3	Jan. 3	Jan. 3
An. Beauty, Special .....	50.00	to 60.00	40.00 to 60.00
" " " " " Extra .....	40.00	to 50.00	30.00 to 50.00
" " " " " Extra .....	6.00	to 8.00	10.00 to 15.00
" " " " " Extra .....	8.00	to 10.00	10.00 to 15.00
Katherine, Kilmind, Hillingdon, Warl, Extra .....	6.00	to 12.00	3.00 to 10.00
" " " " " Ordinary .....	5.00	to 6.00	5.00 to 7.00
Arenburg, R. Alice, Laft, Key, Extra .....	6.00	to 8.00	10.00 to 15.00
" " " " " Ordinary .....	3.00	to 6.00	6.00 to 8.00
Cypeline, M. J., Standure, Extra .....	5.00	to 15.00	8.00 to 10.00
" " " " " Ordinary .....	5.00	to 5.00	6.00 to 7.00
Carnations, Fancy .....	5.00	to 4.00	6.00 to 8.00
" " " " " Ordinary .....	3.00	to 4.00	2.00 to 3.00
Cattleyas .....	5.00	to 50.00	50.00 to 60.00
Dendrobium formosum .....	5.00	to 4.00	10.00 to 35.00
Lilies, Longiflorum .....	8.00	to 12.00	12.00 to 15.00
" " Rubrum .....	5.00	to 6.00	5.00 to 7.00
Callas .....	5.00	to 12.00	12.00 to 15.00
Lily of the Valley .....	3.00	to 4.00	4.00 to 5.00
Danias .....	1.00	to 2.00	.25 to .50
Violets .....	.75	to 1.00	.50 to .75
Mignonette .....	5.00	to 4.00	3.00 to 5.00
Snapdragon .....	5.00	to 4.00	4.00 to 5.00
Narcissus, Paper White .....	5.00	to 2.50	3.00 to 4.00
" " Trumpet .....	5.00	to 5.00	4.00 to 5.00
Hyacinths, Roman .....	2.00	to 3.00	3.00 to 4.00
Freesia .....	3.00	to 4.00	4.00 to 5.00
Calendulas .....	2.00	to 3.00	3.00 to 4.00
Stevia .....	1.00	to 1.00	1.00 to 1.50
Sweet Peas .....	1.00	to 1.50	1.00 to 2.00
Gardenias .....	35.00	to 50.00	10.00 to 40.00
Adiantum .....	5.00	to 1.00	1.25 to 1.50
Smilax .....	12.00	to 15.00	15.00 to 20.00
Asparagus Plumosus, Strings .....	2.00	to 5.00	5.00 to 50.00
" " & Sprengel's Bells .....	2.00	to 35.00	35.00 to 50.00

**383-387 ELLICOTT ST. - - BUFFALO, N. Y.**

**182 N. Wabash Avenue - - - Chicago, Ill.**

## PHILADELPHIA, PA

## Flower Market Reports

The same conditions **BOSTON** prevail in the market as during the last two weeks. The dark weather has kept the flowers from opening up and the supply is much curtailed. Several sweet pea men have said that the buds which have fallen off their vines resemble snow on the ground, there being so many of them. Carnations have come in a little more plentiful, but not quite enough for the demand and still hold up in price. Roses seem to be more or less going off crop. Bulbous stock is coming in quite fast and sells rapidly at a good figure. The list now includes jonquils, paper white narcissus, Roman hyacinths, freesias and tulips. Lilies and callas are coming in exceptionally well and are in great demand owing to the scarcity of other flowers. Amongst the specialties there are some very large spiked and long snapdragon, yellow marguerites, English wallflower, pansies and calendulas. Although flowers are scarce the market business is altogether not very large and it is generally predicted that if the sun should come out strong for a couple of days we may see an unwelcome glut.

The ending of the old **BUFFALO** year was quite satisfactory. Stock was a little on the short side but at the end of the week receipts were heavier. Carnations had good sales, especially colored, roses in variety were in heavy demand and cleaned up satisfactorily. Everything along the line has had good sales. Paper White narcissus, which generally are too plentiful and always carried over were this time sold out.

Everybody is happy **CHICAGO** here. The new year is starting out in a way that means a new record for business. Every bit of stock that comes in sells for a good price, in some cases equal to that of Christmas, and the sum total is only limited by the quantity, which is inclined to be light. Carnations are still away up and will be till there is another crop on. Roses have been the main stay of the market for weeks and now they, too, are beginning to come in less quantity. The shortage is in all shades and there is no stock left over each day. American Beauty roses are in splendid condition, the stock being fine and the cuts heavy, and social events are using up the supply for house decorations, gifts, etc. The larger proportion comes in the long lengths. Sweet peas are not in excess of demand and stock sells out each day at a good price. Lily of the valley holds its own and no excess is likely to occur as pips are scarce and growers are careful not to bring on more than they can sell. Miscellaneous stock is limited. Violets are doing better than before the holidays.

New Year's business **CINCINNATI** was very good and rather took the florists by surprise. The induction into office of the newly elected and appoint-



## Spring Suggestions

A few of those soft furry tufted sprays of Pussy Willow with every box of flowers gives it just that touch of individuality every florist is trying to attain.

50c. and 75c. per bunch

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NEW YORK: 117 W. 28th St.  
BALTIMORE: Franklin and St. Paul Sts.  
WASHINGTON: 1216 H St. N. W.

## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI		CHICAGO		BUFFALO		PITTSBURG	
	Jan.		Jan. 3		Jan.		Jan.	
<b>Roses</b>								
Am. Beauty, Special	50.00	to 75.00	35.00	to 50.00	.....	to 50.00	.....	to 75.00
" " Fancy and Extra	30.00	to 40.00	25.00	to 35.00	.....	to 40.00	.....	to 60.00
" " No. 1	15.00	to 25.00	10.00	to 20.00	.....	to 30.00	.....	to 50.00
Russell, Hadley	8.00	to 15.00	1.00	to 30.00	10.00	to 20.00	10.00	to 25.00
Killarney, Richmond, Hill'don, Ward	8.00	to 10.00	8.00	to 10.00	6.00	to 8.00	10.00	to 25.00
Arenburg, Radiance, Taft, Key, Ex.	4.00	to 5.00	4.00	to 8.00	4.00	to 8.00	6.00	to 8.00
Ophelia, Mock, Sunburst, Extra	8.00	to 10.00	8.00	to 10.00	12.00	to 15.00	.....	to 15.00
" " Ordinary	3.00	to 5.00	4.00	to 8.00	6.00	to 10.00	.....	to 10.00
<b>Carnations</b> , Fancy	4.00	to 5.00	6.00	to 8.00	4.00	to 6.00	8.00	to 10.00
" " Ordinary	.....	to 3.00	4.00	to 5.00	3.00	to 4.00	8.00	to 10.00
<b>Cattleyas</b>	60.00	to 75.00	60.00	to 75.00	.....	to 60.00	75.00	to 80.00
<b>Dendrobium formosum</b>	.....	to 75.00	.....	to 75.00	.....	to 60.00	75.00	to 80.00
<b>Lilies</b> , Longiflorum	10.00	to 12.50	10.00	to 12.00	10.00	to 12.00	12.00	to 15.00
" " Rubrum	4.00	to 10.00	.....	to 10.00	.....	to 5.00	.....	to 10.00
<b>Callas</b>	10.00	to 12.50	.....	to 10.00	10.00	to 12.00	.....	to 10.00
<b>Lily of the Valley</b>	.....	to 4.00	3.00	to 5.00	3.00	to 4.00	4.00	to 5.00
<b>Deises</b>	.....	to 1.00	1.00	to 1.50	1.00	to 1.50	3.00	to 4.00
<b>Violets</b>	75	to 1.00	.....	to 2.00	75	to 1.00	1.50	to 2.00
<b>Mignonette</b>	.....	to 4.00	6.00	to 6.00	4.00	to 6.00	4.00	to 6.00
<b>Snapdragon</b>	.....	to 4.00	12.00	to 4.00	1.00	to 1.00	.....	to 1.00
<b>Narcissus</b> , Paper-White	3.00	to 4.00	3.00	to 5.00	2.00	to 3.00	.....	to 4.00
" " Trumpet	4.00	to 5.00	.....	to 5.00	4.00	to 6.00	.....	to 6.00
<b>Hyacinths</b> , Roman	.....	to 3.00	2.00	to 5.00	2.00	to 3.00	3.00	to 4.00
<b>Freesia</b>	.....	to 3.00	.....	to 5.00	3.00	to 5.00	.....	to 5.00
<b>Calendulas</b>	.....	to 3.00	.....	to 3.00	3.00	to 4.00	1.00	to 4.00
<b>Stevia</b>	2.00	to 3.00	1.00	to 2.00	1.00	to 1.00	1.25	to 2.00
<b>Sweet Peas</b>	75	to 1.00	1.00	to 2.00	1.00	to 1.00	1.50	to 2.00
<b>Gardenias</b>	.....	to 25.00	30.00	to 30.00	30.00	to 40.00	.....	to 40.00
<b>Adiantum</b>	.....	to 1.00	.....	to 1.00	.....	to 1.00	1.00	to 1.25
<b>Smilax</b>	12.50	to 15.00	12.00	to 18.00	.....	to 15.00	1.00	to 15.00
<b>Asparagus Plumosus</b> , Strings (100	25.00	to 50.00	50.00	to 60.00	4.00	to 60.00	.....	to 50.00
" " & Spreng. (100 bchs	25.00	to 50.00	25.00	to 50.00	3.00	to 5.00	25.00	to 50.00

# J.A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and  
CARNATIONS  
A Specialty

WHOLESALE  
GROWER of

CUT FLOWERS

ed city officials took up quite a bit of the better grades of stock and the demand for lily of the valley, violets and orchids was very good, being larger than the demand for these for Christmas. Among rose offerings are excellent Killarney, American Beauty, Ophelia, Sawyer, Richmond, Hoosier Beauty and Sunburst. Carnations are not very plentiful. Lilies longiflorum and magnificum are in good supply. Narcissus receipts are heavier. Daffodils, freesia and Roman hyacinths may now be had.

The customary stagnation in the flower market directly after the holidays has been nicely escaped this year up to present time. Weather conditions have no doubt had more or less to do with the proportions of the daily supply and there are other factors which have helped to this pleasing result. Business is not very heavy, either, and it is strongly intimated by

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Ferns, Mosses, Wild Smilax, Galax,  
Leucothoe, Palmetto, Cyans, both fresh  
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Laurel, Hemlock, all Decorative Evergreens.  
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A Full Line of ALL CUT FLOWERS.  
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CONSIGNMENTS SOLICITED

NEW YORK QUOTATIONS PER 100. To Dealers Only

**ROSES AND CARNATIONS**

	Last Half of Week ending Jan. 1 1916		First Half of Week beginning Jan. 3 1916	
American Beauty, Special	40.00	to 75.00	19.00	to 50.00
" Fancy and Extra	30.00	to 35.00	20.00	to 30.00
" No. 1	5.00	to 10.00	5.00	to 10.00
Russell, Hadley	4.00	to 20.00	4.00	to 25.00
Killarney, Richmond, Hillingdon, Ward, Extra	6.00	to 12.00	6.00	to 18.00
Ordinary	3.00	to 5.00	4.00	to 15.00
Arenburg, Radiance, Taft, Key, Extra	6.00	to 12.00	6.00	to 12.00
Ordinary	3.00	to 5.00	4.00	to 15.00
Ophelia, Mock, Sunburst, Extra	6.00	to 12.00	6.00	to 12.00
Ordinary	4.00	to 5.00	4.00	to 5.00
Carnations, Fancy	4.00	to 6.00	4.00	to 6.00
Ordinary	3.00	to 4.00	3.00	to 4.00

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WHOLESALE FLORISTS

55-57 West 26th Street

Telephones, 13—8510 Madison Square

Consignments Solicited

MAURICE L. GLASS, Treasurer

## Flower Market Reports

(Continued from page 53)

the knowing ones that it is only a question of sunlight for a few days to change the aspect of the market very materially. It is very gratifying to see the values hold up so evenly for so long a period and we shall be glad if it should continue so for a few weeks longer. Bulbous material is rapidly taking a place of prominence in the wholesalers' stock. Carnations and roses are excellent, the latter gradually slacking up in quantity.

New Year's trade

**PHILADELPHIA** was as good as expected. Prices

held firm on probably everything except cattleyas; these broke badly as the growers used poor judgment in their early estimates, failing to give the wholesalers proper information in advance as to what they were going to have. Carnations were as short as anything, nearly everybody being off crop, the warm fall having been too prolific. There was the usual scramble for reds but while flowers moved well, too, on account of mortuary work, deaths here lately having been unprecedented on account of the grip-pneumonia epidemic. Roses were in splendid demand, especially over the new year. Lily of the valley is scarce.

The present holiday

**PITTSBURGH** season has been by far the best in the

annals of local commercial floriculture. With over 100,000 cases of pneumonia and influenza, the harvest of death has perhaps never before been as great in the brief period, and meanwhile entertaining for the debutantes, vacation school sets and society at large has gone on. Holiday flowers were fairly plentiful, and—as the wholesalers viewed it—sold at reasonable prices. However, it was noted, that with but few exceptions, flowers of the so-called "middle classes" were more in demand than those of higher degree and exorbitant cost.

New Year's came with

**ST. LOUIS** a rush and all the florists about town are

well pleased with the business done for both big holidays. The market was not quite so stiff as it was Christmas, still prices are a little high especially on carnations which have been decidedly off crop for some time and now that the big rush is over no doubt normal prices will prevail from now on, as a big crop is expected for this month. Roses have been in constant good crop all during the past month and will also for this month. Other stock is coming in fine at all times. The trade expect a good steady demand from now on and this market can supply all these demands with good quality of stock.

The local de-

**SAN FRANCISCO** mand for flowerers shortened

up very noticeably between Christmas and New Year's Day, but it was just as well for the trade as the supply was

## PATRICK WELCH, WHOLESALE FLORIST

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American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M.

## NEW YORK QUOTATIONS PER 100. To Dealers Only

### MISCELLANEOUS

	Last Half of Week ending Jan. 1 1916		First Half of Week beginning Jan. 3 1916	
Cattleyas	25.00	to 50.00	20.00	to 50.00
Dendrobium formosum	25.00	to 50.00	25.00	to 50.00
Lilies, Longiflorum	8.00	to 10.00	8.00	to 10.00
Rubrum	6.00	to 8.00	5.00	to 7.00
Callas	8.00	to 12.00	8.00	to 12.00
Lily of the Valley	1.00	to 1.50	1.00	to 1.50
Daisies	2.00	to 3.00	1.50	to 2.00
Violets	1.00	to 1.50	.75	to 1.00
Mignonette	2.00	to 4.00	2.00	to 4.00
Snopdragon	3.00	to 5.00	3.00	to 5.00
Narcissus, Paper-White	1.00	to 2.00	1.00	to 2.00
Trumpet	2.00	to 4.00	2.00	to 4.00
Hyacinths, Roman	2.00	to 3.00	2.00	to 3.00
Freesia	2.00	to 4.00	2.00	to 4.00
Calendulas	2.00	to 4.00	2.00	to 4.00
Stevia	1.00	to 1.50	1.00	to 1.50
Sweet Peas	1.50	to 2.50	1.50	to 2.50
Gardenias	40.00	to 50.00	40.00	to 50.00
Adiantum	.50	to 1.00	.50	to 1.00
Smilax	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, strings (per 100)	30.00	to 40.00	35.00	to 40.00
& Spreu (100 bunches)	15.00	to 20.00	15.00	to 20.00

## I SELL FLOWERS

What Have You to Offer for Coming Season?

I have an unlimited market for any variety of flowers, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty-eight years in the Cut Flower Commission Business.

Write for information or call and talk it over.

Telephone 167 & 4468 Mad. Sq. **J. K. ALLEN** 118 West 28th Street  
NEW YORK

## EDWARD REID WHOLESALE FLORIST

1619-21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES  
and all Seasonable Varieties of Cut Flowers

## PHILADELPHIA Wholesale Flower Exchange

1625 Ranstead St., Philadelphia  
EVERYTHING IN CUT FLOWERS  
Gardenias and Orchids a specialty.  
"Jake" knows the ropes. Give him a trial. Consignments solicited.

Established 1888 Tel. 551 Madison Sq.

## GUNTHER BROS.

Wholesale Commission Florists

110 West 28th St., New York

We Solicit Consignments of New England Grown Novelties.

## RIEDEL & MEYER, Inc. Wholesale Commission

READY FOR BUSINESS

49 WEST 28th ST. NEW YORK.

much lighter than for many weeks, due to the extremely cold weather following a heavy rain on Monday. Practically all flowers on the market show effects of the cold spell and a shortage is feared in some lines if the tempera-

## GUTTMAN & RAYNOR, Inc.

A. J. GUTTMAN, President.

## Wholesale Florists

101 W. 28th St., NEW YORK

We have 20 years' experience behind us.  
Telephone, Farragut 2036-2037-558.

## D. C. Arnold & Co., Inc. Wholesale Florists

112 West 28th St., N. Y. CITY

Telephone, 2287 Farragut.  
Consignments Solicited.

## REED & KELLER

122 West 25th St., New York

## Florists' Supplies

We manufacture all our Metal Designs, Baskets, Wire Work & Novelties and are dealers in Decorative Glassware, Growers and Florists' Requisites

## UNITED CUT FLOWER CO., INC.

Flowers Sold on Commission  
Consignments of  
Good Stock Solicited

PERCY W. RICHTER, Mgr., NEW YORK  
111 W. 28th Street

ture does not raise soon. A few scattering chrysanthemums are still to be seen but the quality is poor and no one wants them. Violets are less plentiful and the supply continues to clean up

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. Hyatt, 40 State St., Boston.  
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## APHINE

Aphine Mfg. Co., Madison, N. J.  
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## APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.  
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## ASPARAGUS

Asparagus Plumosus French pot plants,  
cuttings \$1.25 per 100. B. C. BLAKE,  
R. D. 4, Springfield, Ohio.

## ASPARAGUS PLUMOSUS NANUS SEED.

R. & J. Farquhar & Co., Boston, Mass.  
New Crop.  
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## AUCTION SALES

The MacNiff Horticultural Co.,  
New York City.  
Plant and Bulb Sales by Auction.  
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## AZALEAS

P. Ouwerkerk, Hoboken, N. J.  
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R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.  
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## BEGONIAS

BEGONIAS—Begonia Chatelaine, rooted  
cuttings, ready December 30; \$2.00 per  
100; \$18.00 per 1000. Cash with order.  
STEPHEN CHASE, Nashua, N. H.

		Per 100
BEGONIA LORRAINE,	2 1/4 in.....	\$12.00
	3 in.....	20.00
	4 in.....	35.00
	5 in.....	50.00
BEGONIA CINCINNATI,	2 1/2 in.....	15.00
	3 in.....	25.00
	3 1/2 in.....	30.00
	4 1/2 in.....	40.00
JULIUS ROEHR'S CO., Rutherford, N. J.		

## BOILERS

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King Construction Co., North Tonawanda,  
N. Y.  
"King Ideal" Boiler.  
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Hitchings & Co., New York City.  
Lord & Burnham Co., New York City.

## BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.  
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Folding cut flower boxes, the best made.  
Write for list. HOLTON & HUNKEL CO.,  
Milwaukee, Wis.

## BOX TREES

BOX TREES—Standards, Pyramids and  
Bush in various sizes. Price list on de-  
mand. JULIUS ROEHR'S CO., Rutherford,  
N. J.

## BULBS AND TUBERS

Arthur T. Boddington Co., Inc.,  
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New bulbs and Hyacinths.  
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Ralph M. Ward & Co., New York City.  
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W. E. Marshall & Co., New York City.  
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C. KEUR & SONS, HILLEGOM, Holland.  
Bulbs of all descriptions. Write for prices.  
NEW YORK Branch, 8-10 Bridge St.

## CANNAS

Newest list of the newest Cannas just  
out. Complete assortment of the finest  
sorts, at remarkable rates.  
Send for list today.  
THE CONARD & JONES CO.  
West Grove, Pa.

## CARNATIONS

Wood Bros., Fishkill, N. Y.  
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F. Dorner & Sons Co., Lafayette, Ind.  
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Littlefield & Wyman, North Abington, Mass.  
New Pink Carnations, Miss Thos.  
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## CARNATION STAPLES

Split carnations quickly, easily and  
cheaply mended. Pillsbury's Carnation  
Staple, 1000 for 35c; 3000 for \$1.00 post  
paid. I. L. PILLSBURY, Galeburg, Ill.

Supreme Carnation Staples, for repairing  
split carnations, 35c. per 1000; 3000 for  
\$1.00. F. W. WAITE, 85 Belmont Ave.,  
Springfield, Mass.

## CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.  
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## COLEUS

Christmas Gem Coleus, Sc. B. C. BLAKE,  
R. D. 4, Springfield, Ohio.

Coleus, Golden Bedder, Verschaftell,  
Queen Victoria, Finckland and all leading  
varieties, including the Pink and Yellow  
Trailing Queen, clean, strong, well rooted  
cuttings 50c. per 100; \$4.00 per 1000. Cash  
with order, and satisfaction guaranteed.  
Send for list. Largest grower of coleus in  
the U. S. A. NAHLIK, 261-75 Lawrence St.,  
Flushing, N. Y.

## DAHLIAS

R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.  
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Send for Wholesale List of whole clumps  
and separate stock; 40,000 clumps for sale.  
Northboro Dahlia and Gladiolus Gardens.  
J. L. MOORE, Prop., Northboro, Mass.

## NEW PAEONY DAHLIA

John Wannamaker, Newest, Handsomest,  
Best. New color, new form and new habit  
of growth. Big stock of best cut-flower  
varieties. Send list of wants to  
PEACOCK DAHLIA FARMS, Berlin, N. J.

## DECORATIVE PLANTS

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Thomas Roland, Nahant, Mass.  
High Grade Plants for Retail Florists.  
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## DRACENIAS

Julius Roehrs Co., Rutherford, N. J.  
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Dracaena Indivisa, 4-in. pot plants, 6c.  
B. C. BLAKE, R. D. 4, Springfield, Ohio.

## FERNS

John Scott, Brooklyn, N. Y.  
The Home of the Scottish Fern.  
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Roman J. Irwin, New York City.  
Boston and Whitman Ferns.

Ferns, 2-in., Boston, Whitman, Roose-  
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B. C. BLAKE, R. D. 4, Springfield, Ohio.

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Copper Solution.  
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**GARDEN TOOLS**

B. G. Pratt Co., New York City.

**GERANIUMS**

R. Vincent, Jr., & Sons Co.  
White Marsh, Md.  
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Geraniums—Ricard, Doyle, Nutt, Poitevine and Chevalier, from 2 1/4-inch pots, immediate or later delivery, \$20.00 per 1000. Rooted Cuttings, \$15.00 per 1000. Cash with order. WM. F. KOENIG, 568 Hamilton Ave., West New York, N. J.

Geraniums—rooted in Silica rock sand. Show a better color and grow better. Let me have your order for Nutt, Ricard, Poitevine and La Favorite, \$12.50 per 1000. Cash. JAMES MOSS, Johnsville, Pa.

Geraniums—S. A. Nutt, Grant, large well rooted top cuttings, \$10.00 per 1000. Cash. ROSS BROTHERS, Dubois, Pa.

GERANIUMS—A fine lot of S. A. Nutt R. C. ready December 30; \$12.50 per 1000. Cash with order. STEPHEN CHASE, Nashua, N. H.

**GLADIOLI**

John Lewis Childs, Flowerfield, L. I., N. Y.  
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A. Henderson & Co., Chicago, Ill.  
Forcing Gladioli.  
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Gladioli America, \$6.00; Augusta, \$8.00; Halley, \$7.00; Princeps, \$7.00; Mrs. F. King, \$8.00; all first size bulbs. Booking orders for Spring Delivery. THOMAS COGGER, 229 Laurel St., Melrose, Mass.

America for forcing, \$8.00; medium size for cut flowers, \$4.00 per 1000, 250 for \$1.00. Send for special price on 5,000 to 25,000. Write for price list on Glory, Lily Lehman, Niagara, Pendleton, Schwaben, War, Taconic, Mrs. F. King, W. Wigman, etc. Prices on Pendleton advance Jan. 1. BROOKLAND GARDENS, Woburn, Mass.

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Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

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H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.  
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**GOLD FISH**

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish goods, nets, etc., wholesale. FRANKLIN BARRETT, Breeder, 4815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

**GREENHOUSE BUILDING MATERIAL**

King Construction Co., N. Tonawanda, N. Y.  
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**GUTTERS**

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**HAIL INSURANCE**

Florists' Hail Asso. of America.  
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Pallsades Nurseries, Sparkill, N. Y.  
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Lord & Burnham Co., New York City

**HOT BED SASH.**

A. T. Stearns Lumber Co. Neponset, Mass.  
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Parshelsky Bros., Inc., Brooklyn, N. Y.  
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Standard hotbed sash, 1 1/2 in. thick, with crossbar, 80c. each; lots of 25 and over, 75c. each. Blind tenons; white leaded in joints. The life of a sash depends on this construction. We GUARANTEE our sash to be satisfactory or refund your money. Glass, 6 x 8, 8 x 10, 10 x 12, or 10 x 14, \$1.50 per box of 50 sq. ft. C. N. ROBINSON & BRO., Dept. 29, Baltimore, Md.

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Foley Greenhouse Construction Co., Chicago, Ill.  
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**HOSE**

H. A. Dreer, Philadelphia, Pa.

**HYACINTHS**

5000 Hyacinths—No. 1, No. 2 and Miniatures in La Innocence, Gertrude Grand Maitre, King of Blues, Jaynes: No. 1, \$32.00 per 1000; No. 2, \$20.00 per 1000; Miniatures, \$14.00 per 1000, 3 in. Sprenger, 3c. Mum stock plants, 15 varieties, 50c. per doz.; \$3.00 per 100, or will exchange any of these for Vincas Var., Geraniums, Ferns or what have you? ROSENDALE GREEN-HOUSES AND NURSERIES, Schenectady, New York.

**INSECTICIDES**

Benjamin Hammond, Beacon, N. Y.  
Hammond's Slug Shot—Grape Dust.  
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R. M. Ward & Co., New York, N. Y.  
Japanese Lily Bulbs of Superior Quality.

Joseph Breck & Sons Corp., Boston, Mass.  
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Yokohama Nursery Co., New York City.

**LILY OF THE VALLEY PIPS**

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Hohmann's Famous Lily of the Valley Pips.  
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Nicotine Mfg. Co., St. Louis, Mo.  
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**In writing to Advertisers kindly mention Horticulture**

## SIROTIANA

Aphine Mfg. Co., Madison, N. J.  
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## PANDANUS VITICHI

Julius Roehrs Co., Rutherford, N. J.  
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## PANSY PLANTS

Pansies, the big giant flowering kind, \$3.00 per 1000; in bud and bloom, \$5.00 and \$15.00 per 1000. Cash. If I could only show the nice plants, hundreds of testimonials and repeat orders I would be flooded with new business. JAMES MOSS, Johnsville, Pa.

## PANSY SEED

Chas. Frost, Kenilworth, N. J.  
Kenilworth Giant  
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## PEONIES

Peonies. The world's greatest collection. 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

## PECKY CYPRESS BENCHES

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McHutchison & Co., New York City.  
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## PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

## PLANT TUBS

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Riverton, Special

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A. N. Pierson, Inc., Cromwell, Conn.  
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Waban Rose Conservatories, Natick, Mass.  
New Rose Mts. Hybrid Florist  
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THE CONARD & JONES COMPANY,  
Rose Specialists  
West Grove, Pa. Send for offers.

## SCALECIDE

B. G. Pratt Co., New York City.

## SEASONABLE PLANT STOCK

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## SEED GROWERS

California Seed Growers' Association,  
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## SEEDS

Carter's Tested Seeds,  
Seeds with a Pedigree.  
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Michell's Seed House, Philadelphia, Pa.  
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August Rolker & Sons, New York City.  
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Burnett Bros., 98 Chambers St., New York.  
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Fottler, Fiske, Rawson Co., Boston, Mass.  
Seeds for the Florist  
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Leonard Seed Co., Chicago, Ill.  
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## SKINNER IRRIGATION SYSTEM

Skinner Irrigation Co., Brookline, Mass.  
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## SOOT

Stumpp & Walter Co., New York City.  
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## SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGBN & HURRELL, Summit, N. J.

Mizpah Moss Co., Mizpah, N. J.  
Moss and Peat.

## SPRAYING MATERIALS

B. G. Pratt Co., New York City.

## STANDARD THERMOMETERS

Standard Thermo Co., Boston, Mass.  
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## STOVE PLANTS

Orchids—Largest stock in the country—Stove plants and Crotons, finest collection. JULIUS ROEHRS CO., Rutherford, N. J.

## SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.  
Gold Medal of Honor Winter Orchid Sweet Peas.  
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## VASES

H. Bayersdorfer & Co., Philadelphia, Pa.  
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## VEGETABLE PLANTS

R. Vincent, Jr. & Sons Co., White Marsh, Md.  
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## VENTILATING APPARATUS

The Advance Co., Richmond, Ind.  
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The John A. Evans Co., Richmond, Ind.  
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## VERMICIDES

Aphine Mfg. Co., Madison, N. J.  
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## WHEAT SHEAVES

H. Bayersdorfer & Co., Philadelphia, Pa.  
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## VINCA VARIEGATA

James Vick's Sons, Rochester, N. Y.  
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## WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.  
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Reed & Keller, New York City.  
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WILLIAM E. HEILSCHER'S WIREWORKS, 264 Randolph St., Detroit, Mich

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**WHOLESALE FLORISTS**  
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and St. Paul Sts.  
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York City.  
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1625 Raustead St., Philadelphia, Pa.  
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NIALS.**Old Town Nurseries, South Natick, Mass.  
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LOGUE FOR 1916.**Elmer D. Smith & Co., Adrian, Mich.  
For page see List of Advertisers.**SPRING SUGGESTIONS.**S. S. Pennock-Meehan Co., Philadelphia, Pa.  
For page see List of Advertisers.**WANTS, FOR SALE, ETC.**Advertisements in this column  
one cent a word. Initials count as  
as words. Cash with order. All  
correspondence addressed "Care  
HORTICULTURE" should be sent  
to 147 Summer St., Boston.**FOR SALE**FOR SALE—Fresh from factory, new;  
10 x 12, 16 x 18, 16 x 24, double thick. A  
and B qualities. Market dropped. Now is  
the time to buy and save money.  
PARSHELSKY BROS., INC., 215-217  
Havemeyer St., Brooklyn, N. Y.**THE PRACTICAL BOOK**

OF

**Outdoor Rose Growing**

FOR THE HOME GARDEN

by

GEORGE C. THOMAS, JR.

Elaborately Illustrated with 96 Perfect  
Reproductions in Full Color of All  
Varieties of Roses, and a Few Half-  
tone Plates. Octavo, Handsome Cloth  
Binding, in a Slip Case. \$4.00 net.  
Postage Extra.We have sold a number of copies of  
this sterling book. One purchaser  
writes as follows:

HORTICULTURE, Boston, Mass.

Dear Sir: Some time ago we ordered  
a copy of Thomas' Book on Roses. We  
promised to send you postage as soon  
as we learned the amount. The book  
was so good that we forgot all about  
postage until today. Please forgive our  
lapse of memory.We loaned it to a friend and he likes  
it so well we're afraid that we will  
have to buy another.

Respectfully,

New York.

A. R.

Every rose grower should possess a  
copy of this book.**IT IS THE REAL THING**

Order From

**Horticulture Publishing Co.**

BOSTON.

**A BOOK WORTH HAVING.**

Dear Sirs:

The last letter we wrote you was  
an appreciation about Thomas' Book  
on Roses. We have had a lot of fun  
following his instructions this last  
summer and we consider the book  
worth much more than four dollars.  
On a test bed of about one hundred  
roses planted in April, 1915, we grew  
over thirteen hundred blooms and  
could have had at least one-third more  
if we had not pruned out a lot of  
shoots to give more strength to the  
bushes. We could write a volume on  
the value of Thomas' book, but enough  
said.  
A. R.

Albany, N. Y.

The book above referred to can be  
purchased through the office of Hor-  
ticulture, 147 Summer St., Boston,  
Price \$4.00 postpaid.**THE NUT-GROWER**The unique monthly publica-  
tion which furnishes reliable  
and interesting up-to-date in-  
formation regarding the value  
of pecans and other edible nuts  
and how to grow them for profit.**Subscription, \$1.00 per year****Sample Copy Free****THE NUT-GROWER****No. 2 Francis St.****WAYCROSS, GA.****In writing to Advertisers kindly mention Horticulture**

## REFLECTING ON ONE'S EMPLOYEE WITHOUT PROOF.

The following is a true story of a salesman who was discharged by his employer for reasons which were not true.

It was a case of a salesman who was discharged by his employer for reasons which were not true. The salesman claimed that this damaged his reputation very badly, and that the publicity which it carried prevented him from getting any more business. He stated that he was a very good person, and that he was a very good salesman. He stated that he was a very good person, and that he was a very good salesman. He stated that he was a very good person, and that he was a very good salesman.

than we would have sent had we not been in business in your territory has greatly suffered by reason of the unfortunate personal habits of our former salesman, Mr. —, whom we have now discharged. The salesman claimed that this damaged his reputation very badly, and that the publicity which it carried prevented him from getting any more business. He stated that he was a very good person, and that he was a very good salesman. He stated that he was a very good person, and that he was a very good salesman.

Yours truly,

R. B. C. & Co.

The salesman has in case whatever if his former employers can prove what they said about him. If it is true that he has "unfortunate personal habits," and that those unfortunate personal habits did upset business in his territory, and if both these facts can be proven in court, the salesman's case will go up in smoke. It is fundamental that in a civil action to recover damages for libel, the person sued can always defend on the ground that what he said was the truth. Nobody can be unjustly damaged by the truth.

It is different where the action is a criminal one. If this salesman was threatening to arrest his employers for libel, instead of suing them for damages, they would be in position to worry more about it, because in many States the truth of the charges is not a defense in an action for criminal libel. True or not, it is still libel, and the defendant can go to jail for it, even though he spoke the absolute truth. In fact, everybody has heard the proverb, "the greater the truth, the greater the libel." The theory at the bottom of criminal libel is that the offense consists not in saying false things about one's neighbor, but in stirring up that neighbor to a breach of the peace. This has always been the law as to criminal libel, but the courts are coming more and more to take the view that if the thing said was true, and particularly, if there

neither civil nor criminal action will lie.

Employers are being kinder to their salesmen in what they say about their employees. A manufacturer well-known to me detected or thought he detected, one of his salesmen stealing from him. Without calling the man to the end of the road, he had him called in before his office force and reprimanded him in the most splendid way as a thief. The man denied it flatly and defied his employer to show that he had stolen anything. This the manufacturer was unable to do, in a way which amounted to legal proof. The employee at once sued for heavy damages and the manufacturer had to compromise for a substantial sum. It was wholly unnecessary. The employer should have waited until he knew he could prove what he said; then he would have been safe in saying it.

In another case the general manager of a jobbing concern left and started in business for himself. A bitter feud developed, in the course of which the ex-manager sent out a notice to the trade that his former employer had been guilty of short weight practices while he was with him. The jobber at once entered suit for damages and when the case was tried the former manager utterly failed with his proofs. He could not prove what he had charged, and a verdict for \$3,500 was rendered against him. What he charged would not have been libel if he could have proven it.

Sometimes the statements of an employer about an employee, made under proper circumstances, are protected for another reason—because they are privileged. A is a bookkeeper for B, but is discharged for incompetency and dishonesty. He applies to C for a position and gives B as a reference, hoping C won't ask B about it. C does ask B and is told that A was discharged for incompetency and dishonesty. This if untrue is gross libel, and B would be in for all sorts of trouble. And even if true, B might be arrested for criminal libel, were it not that under such circumstances the statement was what the law calls privileged. In other words, B had a right to make it, and he can neither be arrested nor compelled to pay damages.

The law holds the reputation of an employee, or anybody in business, tenderly, and regards as a grievous offense any statement which unduly reflects upon it. This should be added to one's fundamental rules of business: never to say a seriously disparaging word about anybody else's honesty, or integrity, or credit, or competency, unless one has in his possession then, sufficient proof of its truth.

(Copyright, September, 1915, by  
Elton J. Buckle.)

## Flower Market Reports

The end of roses and carnations has been rather light but the quality averages well and the best stock brings high prices. With the general shortage even second and third-rate carnations demand fair prices. Lily of the valley is scarce and firm, and orchids are not overly plentiful. Gardenias are in light supply also. As for the flowering plant trade an excellent Christmas business was enjoyed, but the offerings are still fairly plentiful, and the stock is fine for the most part. Fine cyclamen is shown and the late azaleas are in good demand, also heather, which appears in considerable variety. A few poinsettias are still to be seen and begonias and primulas maintain their popularity well. Free-sias were a little late in appearing, and the cold weather has set them back again, but a good cut is expected in a few days.

Business last week

WASHINGTON was very satisfactory. A large number

of dinners and other entertainments have enabled the retailers to utilize such flowers and plants as were left over after the Christmas rush. The New Year's Day trade was reported as better than last year to a slight extent. Lily of the valley has been in large demand. The sale of American Beauties and Richmond roses fell off considerably and there are large quantities of these coming in. Pink roses have been scarce and these clean up daily. There is a large supply of violets. Carnations are not now moving very well. All of the local growers of roses seem to have had these on crop at the same time and there has been almost a glut.

### VISITORS' REGISTER.

Cincinnati: Mr. Straebly, Loraine, Ohio.

Philadelphia: W. F. and Adolphus Gude, Washington, D. C.

San Francisco—Mark Ebel, Sacramento, Calif.; Mr. Shirt, Napa, Calif.

Chicago: A. J. Stahelin, Redford, Mich.; Julius Koenig, City Forester, St. Louis, Mo.

Pittsburgh, Pa.: Alexander Milton, New York; Julius Dillhoff, Schloss Bros., New York.

Boston: F. R. Pierson, Tarrytown, N. Y.; W. A. Manda, South Orange, N. J.; C. S. Strout, Biddeford, Me.

Washington, D. C.: E. L. Tanner, Richmond, Va.; G. Krouwell, Sassenheim, Holland; Milton Alexander, New York; I. Rosnosky, rep. H. F. Michell Co., Phila.; Julius Dilloff, New York; Joseph J. Goudy, rep. H. A. Dreer, Phila. Pa.

Stillwater, N. Y.—William R. Phillips is preparing to open a shop here for the construction of greenhouses. He will be assisted by his two sons.

# IF YOU WANT

To Sell  
Decorative Plants

To Sell  
Young Roses

To Sell  
Carnation Rooted  
Cuttings

To Buy  
Any of the Above

To Increase  
Your Business

To Build  
New Greenhouses

To Know  
What is Going On

Remember

## HORTICULTURE

Can Help You



**NIKOTEEN**  
For Spraying  
**APHIS PUNK**  
For Fumigating  
Ask Your Dealer For It.  
**NIKOTINE MFG. CO.**  
ST. LOUIS

## USED BY FLORISTS OVER 30 YEARS



PAN-PACIFIC PRESS ASSOCIATION, LTD.

San Francisco, Calif.

October 16, 1915.

Mr. Benjamin Hammond, Beacon, N. Y.

Dear Sir: The Horticulture Jury, of which the writer was a member, awarded you a Gold Medal for your Insecticides, and when you take into consideration the fact that that Jury, outside of the writer, was composed of some of the famous experts of the world, you will realize the importance of this award. Verification of this may be obtained from Mr. George A. Dennison, Chief of Horticulture, Panama-Pacific International Exposition.

The writer has been requested to furnish a list of the articles which the Jury endorsed by their action in awarding prizes because of merit. This request comes from representatives of foreign countries and states.

Respectfully yours,

Signed: J. A. BUCHANAN, Gen. Mgr.

Pan-Pacific Press Association.

PANAMA-PACIFIC INTERNATIONAL EXPOSITION

San Francisco, Calif.

Division of Exhibits

Office of the Chief

DEPARTMENT OF HORTICULTURE

November 3, 1915.

Mr. Benjamin Hammond, Beacon, N. Y.

Dear Sir: Replying to your letter of October 28th, I wish to say that the Jury awarded Slug Shot, Grape Dust and Copper Solution a Gold Medal.

Yours very truly,

Signed: G. A. DENNISON,

Chief of Horticulture.

**Sold by the Supply Houses of America**  
**BENJAMIN HAMMOND, BEACON, N. Y.**

## SCOTCH SOOT

Where there is a house that is just full of buds almost ready to show color, nothing will turn better color into the flowers than a little soot, that can be scattered over the benches before watering. The amount applied should not be excessive, as the soot is very strong and may damage some of the foliage somewhat. Apply just enough to blacken the surface of the soil in the benches, and let it go at that. Better a little oftener than too much all at once.

We offer the genuine in original cwt.

Sacks, at:  
\$4.00 per 112 lbs.; \$17.50 per 560 lbs.

**Stumpp & Walter Co.**

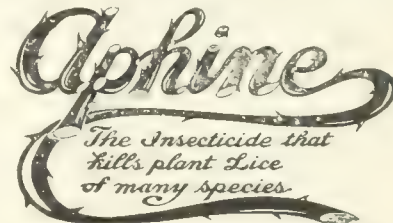
30-32 Barclay Street, NEW YORK



Unequalled for Greenhouse and  
Landscape Fertilizing

**THE PULVERIZED MANURE CO.**

31 Union Stock Yards, Chicago



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$2.50.

### FUNCINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.

Quart, 75c.; Gallon, \$2.00.

### VERMINE

A soil sterilizer for cut, eel, wire and angle worms.

Quart, \$1.00; Gallon, \$3.00.

### SCALINE

For San Jose and various scale on trees and hardy stock.

Quart, 75c.; Gallon, \$1.50.

### NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

Quart, \$1.50; Gallon, \$4.50.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

**Aphine Manufacturing Co.**  
MADISON, N. J.

GEO. A. BURNISTON  
President

M. C. EBEL  
Treasurer

Est. 1765

Pot Makers for a  
Century and a Half**HEWS****STRONG  
RED  
POROUS****POTS**

Inc. 1904

World's Largest  
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.  
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue  
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:  
CAMBRIDGE, MASS.  
NEW YORK, N. Y.**DREER'S "Riverton Special" Plant Tub**

No.	Diam.	Ha.	Doz.	100
10	20 in.	\$1.45	\$16.00	\$120.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.85	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured from the best material. The best tub ever introduced. The perfect lightest and strongest. Painted green with electric welded hoops. The four largest sizes have drop handles.

**HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies. 714 Chestnut Street, Philadelphia, Pa.****KING**The name that assures "the  
most for the money" in**GREENHOUSES**Write for Bulletin No. 47  
and you will see why.**KING CONSTRUCTION CO.**

28 King's Road, N. Tona-wanda, N. Y.

**GREENHOUSES BUILDING OR  
CONTEMPLATED.**Casper, Wyo. — L. M. Buxton one  
house.Rossville, Md. — E. W. Heinbuck,  
house 25 x 100.Denver, Col. — C. F. Maler, 3914 29th  
avenue, one house.Norwell, Mass. — Chas. A. Berry,  
Main street, one house.Phillipsburg, N. J. — Lily White  
Greenhouses, W. B. Brotzman, propri-  
etor, enlarging.Ripley, N. Y. — C. Burton Wright,  
Burton avenue, two houses each 15 x  
38.**NEWS NOTES.**San Antonio, Tex. — The San Antonio  
Floral Company has been purchased by  
W. E. Hess.Colorado Springs, Col. — Wm. Foster,  
formerly of Council Bluffs, Ia., has pur-  
chased the Broadmoor greenhouses.Marion, Mass. — The greenhouse on  
the Austin property has been sold to  
Chas. M. Deane who will remove it to  
another location.Lowell, Mass. — The stock and fix-  
tures of McManmon, florist, Merrimac  
square, were slightly damaged by fire  
starting in the basement of the build-  
ing on Wednesday evening, Dec. 29.Hartford, Conn. — In the storm of  
Sunday, December 26, the greenhouses  
of Eugene S. Drake on Fairfield Ave.,  
were badly smashed by the falling of a  
chimney weighing twenty tons. The  
falling bricks not only shattered all the  
glass in the four greenhouses, but also  
damaged the heating apparatus, so that  
it was necessary to use oil stoves and  
even bonfires to keep the flowers from  
freezing until they could be removed  
into other greenhouses. A force of 30  
men were at work during a large share  
of the afternoon caring for the flowers,  
many of which were Easter lilies.This greenhouse which is being used for  
Sweet Pea growing was a repeat order.The first Metropolitan greenhouse erected  
for Mr. T. F. Polbos, of Sea Cliff, Long  
Island, had demonstrated to his complete  
satisfaction the thoroughness of our style  
of construction.**THOROUGHNESS** is the key note of Met-  
ropolitan workmanship, not merely the thor-  
oughness of our force right on the job, but  
the thoroughness of our entire organization  
—the work of many units whose knowl-  
edge and experience enable our field forces  
to carry their work of erection to a suc-  
cessful completion, with the least expendi-  
ture of the owner's time and money.**PUT YOUR GREENHOUSE PROBLEMS  
UP TO US.**We go anywhere in the U. S.  
to submit plans and prices.**Metropolitan Material Co.**

1392-1414 Metropolitan Ave.,

BROOKLYN, N. Y.

**Dreer's Peerless  
Glazing Points  
For Greenhouses**Drive easy and true, because  
both levels are on the same  
side. Can twist and break  
the glass in driving. Galvan-  
ized and will not rust. No  
rigids or lefth.The Peerless Glazing Point  
is patented. No others like  
it. Order from your dealer,  
or direct from us.1000, 75c postpaid.  
Samples free.**HENRY A. DREER,**  
714 Chestnut Street,  
Philadelphia.**FULL  
SIZE  
No. 2****STANDARD FLOWER  
POTS**If your greenhouses are within 500  
miles of the Capitol, write us, we can  
save you money.**W. H. ERNEST**

28th &amp; M Sts., Washington, D. C.

**THE FLORISTS' HAIL ASSOCIATION**Is a mutual organization, insuring green-  
house glass against hail. Both commercial  
and private establishments are accepted.  
For particulars, address**John G. Esler, Sec., Saddle River, N. J.**  
Insure Now.Clifton Forge, Va. — O. C. Ports has  
purchased the land and greenhouses  
of the Alleghany Horticultural Com-  
pany, and has changed the name of  
the business to Clifton Forge Flower  
& Plant Company.**SKINNER  
SYSTEM OF IRRIGATION****CONTROL** com-  
plete. Prevents  
drought losses. Re-  
duces labor bills.  
Increases profit.  
Special Portable  
line for \$11.75 will  
water 2500 square  
feet. Send for new  
Bulletin.**THE SKINNER IRRIGATION CO.**  
43 Station St., Brookline, Mass.**Evans 20th Century Arm**Most up-to-date arm on the market. Proof  
that it is better than any other is that  
others tried to imitate it. Write for our  
1915 catalog just out.**JOHN A. EVANS CO.**  
Richmond, Ind.When writing to advertisers kindly  
mention **HORTICULTURE**.



No. G. H. 4

6" DIAMETER

## A LOYAL FRIEND

On the job night and day. Adjust the hands at minimum and maximum temperature and this always-awake little instrument will warn you if temperature goes below or above the limit. **PADLOCKED** and cannot be tampered with. Absolutely accurate. You can locate the warning bell at your bedside or elsewhere.

The Standard Thermometer Company.

December 26, 1914.

65 Shirley Street, Boston, Mass.

Gentlemen: Enclosed find check for ten dollars for two number one thermostats. Purchased of you two clocks and two thermometers in past and have had such good success with them am going to put these in remaining houses. Please hurry shipment as soon as possible.

Yours, truly,

Streator, Ill.

(Signed) GEORGE C. WHITCOMB.

**Costs but \$10.00**

**STANDARD THERMO CO.,** 65 Shirley Street  
BOSTON, MASS.

## FOLEY MATERIALS

ARE THE BEST FOR

Iron Frame, Pipe Frame or Wood Frame

## GREENHOUSES

Estimate and Sketch Submitted Promptly

**THE FOLEY GREENHOUSE MFG. CO.**

3275 West 31st Street,

CHICAGO, ILL.

## CYPRESS GREENHOUSE STOCK

PECKY CYPRESS BENCH STOCK

HOT BED SASH

*Ask for Circular D and Prices***THE A. T. STEARNS LUMBER COMPANY**

NEPONSET, BOSTON

## SHARP, PARTRIDGE & CO.

Are Leaders in

## GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

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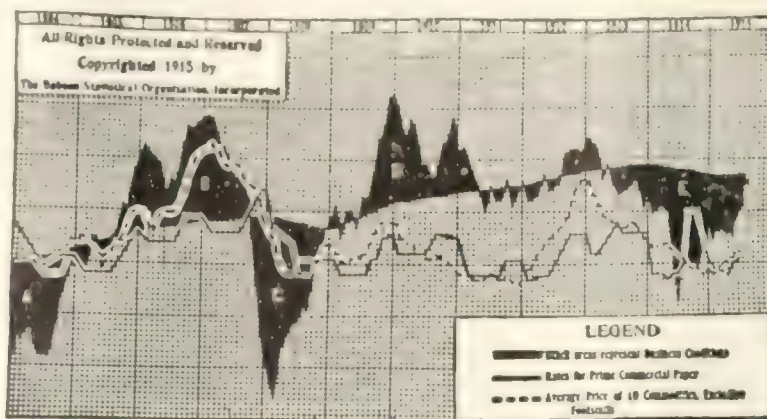
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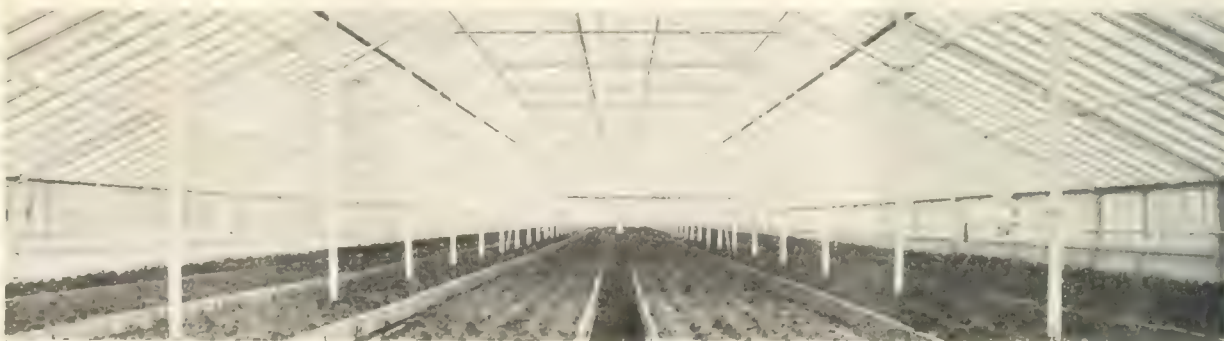
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No. 3

JAN. 15

1916

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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If rain our toll, we ought to blame the culture, not the soil."—*Pope*.

## Adiantum Farleyense

For propagating divide into single crowns only and insert these into the sand in a propagating bench with brisk bottom heat and a house temperature of about 65 degrees. Let them form compact clumps of new roots and then pot carefully and again place the potted plants over bottom heat, later on separating them into several grades according to difference in growth. When these are firmly rooted they should be potted into 2-inch pots in a good sod soil to which fine gravel or coarse sand and some peat or leaf mold is added. They can also be propagated by division of the large specimens into clusters of several crowns and these potted in a very sandy and peaty soil, and placed on a bottom heated bench kept moderately moist and heavily shaded until well established.

## Carnations

Attention should at once be given to the increase of such varieties as have proved the most desirable for one's trade. Looking ahead a whole year, as growers must needs do, the probabilities are that while the less productive sorts will bring about the same figure, the variety less in favor now will be held in still lower estimation next season. Trade conditions must govern all such matters, but if scarlet is to be grown, early propagation must be practiced, not only beginning operations in good season but putting into the sand in either one or two large batches not far apart.

## General Propagating

Push along now on the heliotropes, sweet-scented verbenas, fuchsias, bedding geraniums, alternantheras, crotons, colored dracaenas, dillenbachias, tittemas and other warm-house plants. Do not forget a good batch of marguerites. Those carried over summer in pots will make the best possible plants for blooming another winter. If you want a late planting of snapdragons for Memorial Day, root the cuttings now. Keep the cutting bench well filled. The useful winter blooming *Erica melanthera* can be rooted in the bench which is used for carnations. Rub off short shoots with a heel for the best results. It is a good plan to root a quantity

of coleus from the old stock plants carried over. Keep these old plants for another batch of cuttings and then throw them away as they get full of mealy bug.

## Lorraine and Cincinnati Begonias

Early propagated leaf cuttings of these begonias should be kept growing right along now. Those that are rooted in the sand should be lifted without delay and potted. These plants like a light sandy mixture so give them a compost of about four parts good loam, two parts leaf mold and one part well-rotted manure with some sand. Keep them where the night temperature runs about 60 degrees and on the dry side rather than on the wet side, giving some shade when the sun is powerful. They will want a somewhat close and moderately humid atmosphere and as close to the glass as possible. Ventilation will have to be properly managed now so as to meet the many excessive changes in temperature.

## Marguerites

Marguerites propagated last spring should now be in 6 or 7-inch pots and of good size. They like a temperature from 50 to 55 degrees during the night, with 10 to 15 degrees higher with sunshine, and plenty of fresh air when possible. In order to flower well they should become pot bound. As the pots are filled with roots they will require plenty of water and feeding twice a week. The present is a suitable time to put in a good batch of cuttings which will come in handy for late spring sales. These, if kept potted along, will make nice bushy stock in 6-inch pots by late spring. Give them any necessary repotting in a rich compost, and be sure to always give them an abundance of water at the roots. Plants that were struck during August or September should be kept potted up until they are in 6 or 7-inch size and these will make fine stock for Decoration Day.

## Icy Blasts

Now is the time we all will have to watch out for the frigid northwest gales and not get caught unawares, with inadequate fuel supply, pipes bursting, boilers giving out, etc. See that the coal bunkers are filled, heating apparatus in tip top order. Take no chances.

Next Week:—Acacias; *Dimorphotheca aurantiaca*; Ferns; *Grevillea robusta*; *Maurandias* and *Thunbergias*; Feverfew for Memorial Day.

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THAT PAYS.

# HORTICULTURE

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John J. Halle, a representative of a retired and retiring shipyard, was asked to be named as the collector, especially because, in his line, the amount involved can with greater propriety be ascertained. Flowers should be the result of the tool in the list of business in a businessable.

One of the direct results of the European war, affecting the florist trade, is the necessity for providing in some way the floral subjects and other goods formerly supplied by the old lands of the central European countries. Our wholesale importing houses did not take time to change this situation, so to preserve the possibilities of forming the closing of their long-established sources of supply. A ready-made domestic production of these goods was assumed as a matter of proportion, and yet the industry as an American institution is only in its infancy. Best of all, is the fact, not admitted to one, one "with half an eye," that the styles and originality in the goods being turned out here are far superior in both conception and artistic finish to the goods formerly imported from Europe. Everything seems to indicate that this industry is a permanent acquisition for our home trade and that, regardless of the outcome in Europe, the importation of this class of material for the florist trade is largely a thing of the past.

In our talk before the Horticultural Club of Boston last week, W. A. Manda urged that the propagation of hardy garden herbaceous plants by seed should be more generally followed by growers in this country in preference to the more common method of root division. The result, Mr. Manda believed, would be, in time, a substantial increase in new forms and a general advancement in quality over the long cultivated types. Once a "break" is started the progress of evolution would be startling. Many of our native plants, for example, still exist only in their primitive form although even in that stage they seem to suggest more promising possibilities than are apparent in the original wild chrysanthemum of China and Japan from which our highly cultivated varieties have all been evolved. One need not think long or deep to conjure up wondrous things in imagination. There are plenty of subjects within the reach of any budding Lemoines well equipped with the required zeal, judgment, patience and humility.

The Horticultural Trade Journal (England) is carrying some interesting communications on the question of rose improvement and the qualities which should now be striven for by the hybridist. Immunity from certain diseases or fungous attacks is one of the ideals favorably urged and the correspondents referred to seem to regard immunity from mildew, black spot and similar maladies as within the possibility of attainment. Resistance to black spot is certainly a quality worth striving for and since there are already sorts apparently immune, because of the texture or other character of their foliage, the goal seems not an impossible one. As one of the writers mentioned says—"The combination of the plant pathologist and the practical breeder has resulted in things hitherto strange and little understood, now beginning to take their place in an orderly scheme, and this new knowledge has, as one of its most important aspects, the control it will ultimately give the breeder over disease and deformity." It is suggested that disease-resistant character should be given a place in the judging scales for new roses.

### Undoing progress

We are sorry to see the Harvard junior prom committee take the reactionary stand which they have in regard to the use of flowers at the various entertainments planned for the present season. They have officially requested those students who are to attend, to omit sending flowers to their feminine friends, as a matter of "economy." Those who know the small proportionate part which flowers fill in the expense account of the average student will smile at the suggestion. The

## ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur Ruzicka*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

### Keeping Tab on Young Stock

It will be of great advantage to the grower to plan his next year's planting right now and propagate the plants for the different houses accordingly. If some of the houses are to be planted real late it is still too early to put the cuttings in, especially if all the benches are doing good, as the space the young plants would take will be too valuable. Then too the plants get quite big in the four-inch pots, and if it is not possible to give them all the room they will need they will not keep very well, as they are hard to syringe and water when they get too big. We like to give the cuttings four months to make plants large enough. Sometimes even less. This will keep them on the move all the time and there will be little danger of stunting. After the first potting we always allow one-tenth of the number for dead ones and another tenth of the number for poor plants that will not be perfect enough to use. In this way we have no trouble to have the required number on hand at the proper time. It is necessary to know when the houses are to be planted however, in order to work this scheme out well.

### Keep the Young Plants Clean

See that there is no greenfly, spider, or mildew to hinder the young plants. If allowed to become infested now they will show the mark all through their life. It is difficult to spray the young stock unless it is done with a brass greenhouse syringe, as the fly will get under the leaves and it is almost impossible to get at them. Smoking will take them out however, and a little syringing following will clean whatever fly there may be if this is done once every week. This syringing will also take care of the spider, which should not appear as yet unless the wood used for cuttings was infested. Great care should be taken not to get any mildew on the young plants as this would prove a severe check to their growth and they would always be getting it even after they are planted into the benches. Should a speck of mildew appear here and there, see that a little sulphur is applied to the pipes, or that they are sprayed at once with Fungine. We would not dust the little plants with sulphur as this is likely to work into the soil, and it is likely to do harm. So do not dust them unless there is no other way out. It is also very important to keep

the surface of the soil in the pots free from green stuff. If nice clean pots were used there will not be very much trouble from this direction until after the plants have been in the pots for quite a while. At any rate it should be removed with small scrapers as soon as it gets at all bad. All dead or poor plants can be removed while this work is done and at the same time all the tall plants set on the north side of the bench if the houses run east and west. The small plants should come forward to the south side so they will get more light and air and get a better chance to dry out. Placing the plants in this way will give all of them a good chance to come along, for if it were not done the taller and stronger ones would soon crowd out the smaller and weaker, which would fall to blackspot and other diseases, and these would likely spread to the stronger plants later.

### Ventilation on Cloudy Days

It will be necessary to be very careful on cloudy days, for those are the days that mildew is bound to work in. Never run the houses up to more than 70. 66 is about right. If they are kept cooler than this they are liable to chill the plants, and a sprinkling of mildew will be the result. There are wet foggy days at times when it is best not to open the ventilators at all, except in the wide house. Much air should not be carried on days like these, a small crack being all that will be safe. If the house persists in going up turn off the heat a little and keep the temperature down. A clear day following a day or two or more of foggy weather will set the plants back into shape again if the houses are not allowed to get too warm. 70 or 72 will be plenty, and the plants will not feel the change so much. On the second or third clear day the temperature can be brought up to the regular heat for days, namely 76-78. The plants may wilt a little the first clear day but this will not hurt them any. If they are kept cool they will not wilt so badly. As near as we could ascertain this is caused by the inactive roots which get lazy during the cloudy weather, and when a clear day comes along, taking a good deal of water from the leaves, the roots are not right there to supply the necessary amount. They will soon get to work again though and with renewed energy as a rule. It will also be better for the plants if they are not syringed until the second clear day after a cloudy spell.

### THE RIGHTS OF AN EMPLOYEE.

W. R. Fowkes of Cooperstown, N. Y., writes in appreciative and complimentary terms regarding the communication which appeared on page 60 of last week's issue of HORTICULTURE, on the practice of reflecting on one's employee without proof. "It often happens," says Mr. Fowkes, "that a man leaves an employer in a fair, honest manner to take a higher paid position. The employer, not seeing his

way clear to pay the man a salary sufficient to retain him, yet is resentful and unwilling to give him the good reference he merits, while on the other hand another employer will give an employee an overdrawn reference in order to get rid of him." Mr. Fowkes cites an instance in support of the foregoing where the head gardener on a large estate after two years' satisfactory service incurred the jealousy of the superintendent and after resigning his position found

the resultant animosity standing in the way of his obtaining another position.

Of course, such cases of injustice and malignity are all too common, but they are far from being the rule, and there are two sides to every question. The article which Mr. Fowkes commends was published to show those who consider themselves aggrieved or persecuted just what their legal rights are in such encounters and we are glad if it serves this purpose.

## CLUBS AND SOCIETIES

### NEW YORK FLORISTS' CLUB.

#### President Weston's Inaugural Address.

Members of the New York Florists' Club:

It seems to me as you stand here at the start of 1916, that our public expression of appreciation of the honor you have done us is justified, due to the high office the duties of which it shall be my pleasure to discharge in a manner satisfactory to you, and in the best interests of the club. The work of our organization is well and favorably known not only throughout our own country, but abroad. It is known for the business-like features which characterize its management, and insure a continuous growth of its membership. It is known for the great harmony and good fellowship which exists within it, making its motto, "All one," truly a descriptive one. And it is known for the excellent work it has done and is doing for the uplift of floriculture and the welfare of all connected with the art. It is an organization to which all of us are proud to belong, and with whose work we feel honored to be connected.

The club's work has been so well organized and conducted, so well thought out, and opportunities for action so well conceived that little, if anything, can be suggested at the present time as likely to increase the usefulness of the club or work out to our advantage. Our greatest work at this time is, of course, to be found in the preparations for our forthcoming spring flower show in New York, and this work, I am glad to say, is in most capable hands, and the indications are that we shall score another great success, thereby enhancing the reputation of our club among our fellow workers the world over.

Last year we invited the S. A. F. and O. H. to hold its 32nd annual convention in our city this year, but, unfortunately, prior claims made by the southern city of Houston prevailed, and our invitation failed of acceptance. The desirability of making an effort to induce the National Society to hold its 1917 convention here is a matter which should early be discussed. I understand that the society will, at the Houston convention, also decide upon the city in which to hold its 1918 convention, in order that more time may be available for the establishment of the convention garden. This being the case, our chance for securing at least one of these conventions should be good.

In appointing our standing committees for the year, I have deemed it advisable to return to the custom of the years preceding last year, observing the same as regards the numerical strength of the committees. Ample trial was made last year of large committees, but they were not found conducive to the best interests of the club.

We have entered upon a year which

### Meetings Next Week

#### Monday, Jan. 17.

Dobbs Ferry Gardeners' Association, Dobbs Ferry, N. Y.  
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#### Tuesday, Jan. 18.

Essex County Florists' Club, Boston, Horticultural Hall, Boston, Mass.  
Rhode Island Horticultural Society, Public Library, Providence, R. I.  
North Shore Horticultural Society, Manchester, Mass.  
Pennsylvania Horticultural Society, Philadelphia, Pa.

#### Wednesday, Jan. 19.

Rhode Island Horticultural Society, Public Library, Providence, R. I.

#### Thursday, Jan. 20.

Essex County Florists' Club, Krueger Auditorium, Newark, N. J.  
North Westchester County Horticultural Society, Mt. Kisco, N. Y.  
Tacoma Horticultural Society, Elmer Hall, Tacoma, Wash.

#### Friday, Jan. 21.

North Shore Horticultural Society, Manchester, Mass.

#### Saturday, Jan. 22.

Dobbs Ferry Gardeners' Association, Dobbs Ferry, N. Y.

it is fervently hoped will prove to be a good one for our trade, and there is every reason to believe that our hopes may materialize. Indications of a condition of prosperity among our great industries are not wanting, and when prosperity reigns the florist trade is sufficiently active to insure good business. From the bottom of my heart I wish you all a most happy and prosperous year, and I trust that at its close I shall take into retirement with me a remembrance of your loyal and unstinted help in the administration of the office you have reposed in me, and the assurance that we together have added another to the many successful years of our club's existence.

#### The Meeting.

The opening meeting of the new year, held on Monday evening, January 10, was a rouser. No less than 175 members were present to pay their respects to President Weston and his retinue of officers old and new, on whose shoulders rest the responsibilities of the coming year. The situation was also enlivened by the presence of two lively visitors from "way down east," A. E. Thatcher and John Stalford, of Bar Harbor, Me. The new officers were installed and those of them who were on hand, as well as sev-

eral newly elected members, made most able addresses, evincing faithful attention to the interests of the organization during the coming year. President Weston made a most pleasing impression, his winning manners and happy methods gaining the attention and confidence of the meeting from the very start. The trustees' report indicated that the club had almost \$10,000 in the treasury on January 1. A vote was passed providing that the profits from shows be put in a separate account to be known as Flower Show Fund.

A. L. Miller reported progress for the big Spring Flower Show in New York. Mr. Miller reported also on the work being done in preparation for "New York Day" at the National Flower Show in Philadelphia, expressing confidence that the number who will participate in the trip on that day will exceed four hundred. Mr. Stalford presented greetings and cordial good wishes on behalf of the Bar Harbor Horticultural Society and Mr. Thatcher followed with an enthusiastic talk on the Sweet Pea exhibition to be held in Bar Harbor next summer, offering a gold medal for the best exhibit of sweet peas sent to that show grown or exhibited by a grower from New York, New Jersey or Long Island. Mr. Stalford on his part agreed to pay expenses of the winner to Bar Harbor. Both these gentlemen were eloquently enthusiastic regarding Maine's floral attractions and the opportunity now presented for the Sweet Pea Society to broaden out and expand its activities. On motion of C. B. Weathered the sum of \$25 was appropriated by the club as a prize for the best exhibit of sweet peas at Bar Harbor by a member of the Bar Harbor Horticultural Society.

Max Schling advocated the adoption of some plan whereby worthy unemployed gardeners might be assisted to obtain positions. Mr. Schling's kindly interest in the welfare of the young gardeners especially, was evident in his remarks and the sentiments expressed were very favorably received.

Dr. John S. Adriance, of Williamstown, Mass., gave a very forcible address on the subject of "How Shall the Soil be Prepared so as to Yield the Maximum Money Value?" The speaker was disappointed by the non-arrival of a lantern or curtain until 10 P. M., but notwithstanding this very serious handicap he made a fine impression. His talk was noticeably free from scientific technical matter, being a plain, common-sense presentation of a very vital subject and one of the most useful lectures the club has listened to.

A letter from Wm. Kleinheinz, of Ogontz, Pa., chairman of the exhibits committee of the National Flower Show, urging the united support of the club members and appealing for exhibits from this section was favorably received and Secretary Young was ordered to acknowledge same and assure Mr. Kleinheinz of the hearty support

by the club of Philadelphia's great event by every means in its power.

Awards on exhibits were made as follows: John Lappe, cultural certificate for very fine freesia, staged by Phil Kessler. Peter Beurlein, highly commended for light pink and dark pink sports of Enchantress carnation. W. A. Manda, thanks for seedling carnation. James Duthie, certificate of merit for a most elegant display of *Primula malacoides Townsendii*. Andrew Schlevogt, thanks for a vase of very fine "pussy willows." Guttman & Raynor, thanks for rose Mme. P. Euler from the Florex Gardens, carnation Laura Weber from C. W. Weber and Peace from Frank Dinda.

J. Harrison Dick, W. C. Rickards and W. A. Sperling were appointed a committee to prepare resolutions on the death of W. E. Marshall's brother. President Weston made the following appointments: Exhibition committee—Robert Koehne, chairman; R. J. Irwin, Chas. W. Knight, Peter Beurlein and P. B. Rigby. House committee—George Hildenbrand, chairman; Joseph Vocke and A. N. Kinney. Legislative committee—W. F. Sheridan, chairman; W. H. Siebrecht, Jr., James McHutchison. Essay committee—J. H. Pepper, A. F. Faulkner and R. J. Lewis. Annual dinner—C. B. Weathered, chairman; J. B. Nugent, Jos. A. Manda, W. F. Sheridan, Emil Schloss, A. Kottmiller and T. B. DeForest. Awards committee—P. W. Popp, chairman; C. H. Totty, Julius Roehrs, L. J. Reuter, M. Matheron, W. H. Siebrecht, Sr., and Chas. Weber.

The commissary department, under Phil Kessler's able direction, made a new record of efficiency not only in the viands provided and the manner of their distribution, but in the addition of musical entertainment, buck and wing dancing, etc. It was an ideal program just suiting the occasion. Among the artists were Wm. Schilowsky of Woodside, the Coogan Quartette, Wm. Robinson and Mr. Otto.

#### Resolutions on Death of W. Atlee Burpee.

At a meeting of the committee appointed to take action on the death of W. Atlee Burpee, the committee, speaking for the members of the New York Florists' Club, desires to express in their humble manner, its appreciation of the life-long, untiring efforts of W. Atlee Burpee in the interest of horticulture. Gardening activities everywhere had his attention and support. His high standard of honorable business methods, all may well strive to follow.

Florists the world over have sustained an inexpressible loss in the death of W. Atlee Burpee. Those of us who knew him personally knew him as a cherished friend. Those who knew him only through business dealings felt the kindly influence of his nature in his business methods. In his death the members of the New York Florists' Club deeply feel the loss of their esteemed fellow horticulturist.

Resolved, That this resolution be spread on the minutes of the New York Florists' Club and a copy sent to the family.

E. C. Vick, chairman; Harry A. Bunyard, W. A. Sperling, W. C. Rickards, J. B. Deamud.

#### NEW YORK FEDERATION.

Following is the proposed program for the meeting of the New York State Federation of Horticultural Societies and Floral Clubs, to be held at Ithaca, N. Y., on Wednesday, Feb'y 9, 1916:

- 9 A. M. E. C. Volz. Problem in Keeping Cut Flowers.
- 10 A. M. Wm. Tricker. Water Lilies for the Home and Market.
- 11 A. M. Professor A. C. Beal. Garden Roses.
- 12 M. Luncheon, followed by a business meeting of the Federation.
- 2 P. M. Professor E. A. White. The Relation of the Agricultural College to the Flower-growing Interests of the State.
- 3 P. M. Professor Bristow Adams. Problems in Advertising in the Disposal of Flowers and Plants.

JOHN YOUNG, Sec'y.

#### HOUSTON CONVENTION GARDEN.

George E. Kessler of St. Louis, Mo., is acting in an advisory capacity for the S. A. F. convention garden, 1916, in Houston, Texas. We are very for-



GEORGE E. KESSLER.

tunate in having secured the services of Mr. Kessler in this work. He has supervised the construction of some of the largest parking systems in the country; having acted as consulting landscape artist for the park systems of Indianapolis, Ind., St. Louis, Mo., Ft. Wayne, Ind., Dallas, Texas, Cincinnati, O., Kansas City, Mo., Memphis, Tenn., Houston, Texas.

Kansas City is famous for its park system. Mr. Kessler laid out and carried to completion the parks and parking system of Kansas City, so we feel that our convention garden is already an assured success; with the advice of Mr. Kessler and the competent and efficient work of Mr. C. L. Brock, it makes me feel we are making a record-breaker.

R. C. KERR, Vice-Pres.

#### HORTICULTURAL SOCIETY OF NEW YORK.

There will be an exhibition of plants and flowers given by this society at the American Museum of Natural History on Wednesday, January 19th. Sched-

ules are now ready and will be sent on application to the secretary, George V. Nash, New York Botanical Garden, Bronx Park, New York City. Premiums are offered for orchids, carnations, sweet peas, schizanthus and snapdragons. One of the uses of these monthly exhibitions is to furnish opportunity to gardeners to exhibit whatever they may have in fine condition at that time, and for this reason the exhibition committee is empowered to award special prizes for things not provided for in the schedule. Gardeners are therefore invited to bring in plants or flowers of unusual interest or of unusual excellence in cultivation. The medals of the society may also be awarded to the best vases of new varieties of carnations.

A meeting of the society will be held in the afternoon at 3.45, followed at 4 by a lecture by W. N. Craig, superintendent at Faulkner Farm, Brookline, Mass., on "The Home Flower Garden." This announcement insures an interesting and practical talk on a subject of much interest at the present time.

GEORGE V. NASH, Sec'y.

#### ROCHESTER FLORISTS' ASSOCIATION.

At the annual meeting of the Rochester Florists' Association, held Jan. 10th at their club rooms, Charles H. Vick was re-elected president, Harry E. Bates vice-president, Ambrose H. Secker secretary, and George T. Boucher treasurer. John Dunbar was re-elected as one of the three trustees, Jacob Thomann and Hugo Teute being the other two members chosen.

Ambrose Secker read a very interesting paper on newspaper advertising as entered into by florists of other cities, both jointly and individually. The florists of the Rochester Association have tried joint advertising in an experimental sort of way this past year and whereas of course results are very hard to trace directly in this kind of advertising, it was the general consensus of opinion that it paid. Mr. Secker's paper was received very enthusiastically, as it was of real merit.

George T. Boucher, chairman of the music committee provided an excellent musical program, being ably assisted by Prof. Wagner. We cannot say too much in favor and appreciation of the work Mr. Boucher has done along the lines of musical programs. It not only adds greatly to the entertainment of the members, but is a welcome diversion from the regular routine business of club meetings.

Chairman Nathan Graves with his able assistants provided a splendid buffet luncheon which was appreciated by all. We say "appreciated," not only from the fact that a lunch is always welcome after a protracted meeting, but genuine appreciation of the work of Mr. Graves and his committee, as there is no little work entailed in providing lunches for a good sized meeting.

The Association regretted very much H. B. Stringer's refusal to accept renomination for the secretaryship. Mr. Stringer's long service in this capacity with the Rochester Florists' Association has been a marked tribute to his sterling qualities and devotion to the Association. It is regretted by all that personal matters are taking the time which he feels

...the ... .. also ... .. the ... .. will ... ..

... .. released ... .. the ... .. in his stead. Mr. Keller also has per- ... .. in the capacity of treasurer for the Rochester Florists' Association, and the extra responsibilities, time, etc., entailed by flower shows have drawn heavily on Mr. Keller's time from his steadily increasing personal business. The association is deeply indebted to Mr. Keller and feel that he has justly earned a release from the exacting duties of treasurer.

The Rochester Florists' Association is starting out on a new year of its successful life and with Mr. Vick again at the head there is every reason to believe that this association will enjoy the advancement that it has steadily gained in the past. The Association stands very high with the city officials, the press and Rochesterians as a whole gaining this appreciated confidence by the excellence of its flower shows, its willingness to enter all public spirited movements for the betterment and beautification of Rochester, and its splendid co-operation with the Industrial Exposition.

It is expected that the bowling team will continue its splendid work this coming year, and will receive the hearty co-operation of the Association as a whole. There is nothing that will bring together and broaden the acquaintance of various florists' clubs and societies as much as the sportsmanlike rivalry in bowling tournaments, joint banquets, etc.

H. E. BATES

#### THE CARNATION CONVENTION.

##### Chicago to St. Louis.

The Chicago Florists' Club has selected the Wabash Railroad for the trip between Chicago and St. Louis, Mo., both going and returning, on the occasion of the annual convention of the American Carnation Society, to be held in the latter city, January 26-27. Special cars will be attached to the Banner Midnight Flyer leaving the Dearborn station, Chicago (Polk and Dearborn streets), January 25, at 11.55 P. M., arriving at St. Louis (Union Station), at 7.53 A. M.

The one-way rate, Chicago to St. Louis, is \$5.80 if there is a party of ten or more on the train for this meeting. The Pullman rates, Chicago to St. Louis are: Double lower berth, \$2. upper berth, \$1.60, drawing-room, \$7. Berths will be ready for passengers at 10 P. M. For berth reservations and transportation address H. L. Purdy, Wabash Railroad, 68 West Adams street, Chicago. Telephone, Harrison 45.

Eastern delegations for the convention are invited to join the Chicago contingent and on request the special cars of parties going to St. Louis by way of Chicago can be switched to the Banner Midnight Flyer without change of baggage or extra charge.

A representative of the Wabash Railroad will be on hand in convention hall, St. Louis, to arrange for the return trip. MICHAEL BARKER, Chairman Transportation Committee, Chicago Florists' Club.

#### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

##### Department of Plant Registration.

Public notice is hereby given that Lager & Hurrell, Summit, New Jersey, ... .. the ... .. mentioned below. Any person objecting to ... .. the ... .. of ... .. is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

*Cattleya Percivalliana* "Aurora":—Flowers very large and of fine shape. Sepals and petals rosy lavender. Lip large and flat of same color as sepals and petals with a small dark purple blotch in the centre surrounded with orange yellow and purple veins radiating from the throat and extending well forward toward the edges.

*Cattleya Percivalliana* "Spectabile":—Flowers handsome and well proportioned, 5½ to 6 in. across with purplish lilac sepals and petals. Lip large and showy, with the middle lobe of darkest purple bordered by a broad band of purplish lilac.

*Cattleya Percivalliana* "Resplendens":—Flowers 6 in. and more across. Sepals and petals purple lilac. Lip of intense purple margined with rosy lilac.

*Cattleya Percivalliana* "Stanley Ranger":—A very large and finely shaped variety with flowers measuring over 6 in. across. Sepals and petals purplish lilac. Lip very broad and flat, rose and dark purple with a broad fringe of lilac.

*Cattleya Percivalliana* "Superba":—Flowers 5 in. to 5½ in. across, of good shape. Sepals and petals rosy purple. Lip dark purple rose and crimson blended with orange yellow crimson and purple toward the throat.

*Cattleya Percivalliana* "Grandiflora":—Flowers 6 in. across. Sepals and petals rose purple. Lip large rose and dark purple with orange yellow throat suffused with crimson.

*Cattleya Percivalliana* "Gigantea":—Flowers over 6 in. across, of fine shape. Sepals and petals reddish lilac. Lip dark purple with rose purple, margined with rosy lilac.

*Cattleya Percivalliana* "Expanse":—Flowers 6 in. and more across. Sepals and petals of a pleasing light rosy lilac. Lip rather flat and spreading 2 in. across, purple and rose purple with a broad margin of rosy lilac.

*Cattleya Percivalliana* "Autropurea":—Flowers reddish purple all over except the lip which is deep purple.

*Cattleya Percivalliana* "Oreol":—Flowers of fine shape, 5 in. across. Sepals and petals rose purple. The greater part of the lip is orange yellow, veined with crimson, with a blotch of crimson purple in the centre.

Note:—In completing the registration of one of the new Cannas registered by the Conard & Jones Company, one of the varieties was mentioned as "Wyoming." The correct name should be "Windmar."

JOHN YOUNG, Sec'y.

#### PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

At the meeting of this club in the Fort Pitt Hotel on the evening of Jan. 4th, nominations of officers for 1916 were made as follows: For president, Carl Becherer, Dixmont, Pa., and Neil McCallum, West End Park, Pittsburgh; secretary, A. Frishkorn, Pittsburgh, and H. P. Joslin, Ben Avon, Pa.; for the balance the present officials were renominated in a body. Election takes place February 1st.

From Waban Rose Conservatories, Natick, Mass., was received a box of the Mrs. Bayard Thayer rose; fine deep pink, good texture, fragrant, stiff stems; a very fine rose, indeed. J. A. Peterson, Cincinnati, O., sent two plants of Glory of Cincinnati which made a magnificent showing. M. Curran, Sewickley, showed a fine plant of *Buddleia Asiatica*, and Thos. Sturgis, also of Sewickley, a basket of tempting mushrooms. To these last three exhibitors cultural commendation was awarded.

At 8.30 P. M. the club adjourned to the Norse room and listened to a lantern lecture by W. E. C. Todd of Carnegie Museum, on *Travels and Adventures in Hudson Bay Territory*. Mr. Todd spent three seasons in collecting birds in this territory for the Museum, and the lecture and the views of the strange scenery in this little-known section of North America were very interesting.

H. P. JOSLIN, Sec'y.

#### MASSACHUSETTS FORESTRY ASSOCIATION.

All arrangements have been made for the Thirty-Fifth Annual Conference of the American Forestry Association to be held in Boston at the Copley-Plaza, January 17 and 18. The meetings will begin at two o'clock on the afternoon of January 17. A banquet will be held at 7.30 in the evening and there will be an all-day meeting beginning at 10 o'clock on January 18. All meetings will be held at the Copley-Plaza.

National, state and municipal forestry will be discussed together with the problems concerning lumbering, fire protection and insect control. Many of the leaders in the forestry movement in this country will be on the program at these meetings.

Conservationists from nearly every part of the country will be present and all New Englanders who are interested in the care and preservation of the forests will find these meetings instructive and enjoyable. The meetings will be open to the public and seats at the banquet can be engaged through the Massachusetts Forestry Association, 4 Joy street, Boston.

#### FLORISTS' CLUB OF WASHINGTON.

The rooms of the American Institute of Banking were turned into an impromptu motion picture theatre on the occasion of the monthly meeting of the club, and the members were enabled to view scenes of the war in films taken at the front, as well as enjoy the comics that were furnished.

President Cooke appointed a committee of Harry B. Lewis, Milton Thomas and M. J. McCabe, to make plans for transportation for the

local florists to the National Flower Show at Philadelphia. They were also instructed to communicate with florists in other places, such as Richmond, Va., with a view to having them join the Washingtonians in their special car.

It was announced that President Cooke had been selected as vice-president of the S. A. F. and O. H. for D. C., while William F. Gude, the treasurer, has been again selected as national representative and chairman of the legislative committee.

#### SOUTHAMPTON HORTICULTURAL SOCIETY.

The above Society held its annual and general meeting in the Village Room, Southampton, N. Y., on Jan. 6th, when the following officers were elected for the following year:

President—M. MacLaughlin; vice-president—Mr. Malcolm; secretary—H. Wells; press sec'y—S. R. Candler; financial sec'y—W. Dickson; treasurer—J. Johnson.

It was decided to hold the annual dinner on Jan. 27th in the Commercial Hotel, Southampton. The regular meeting will be held on Jan. 20th at 8 P. M. in the Odd Fellows' Hall, Southampton.

S. R. CANDLER.

#### THE PARK INSTITUTE OF NEW ENGLAND.

The next meeting of the Park Institute of New England will be held at New Haven, Conn., with Superintendent of Parks F. X. Ambryn, Jan. 26th.

Mr. Percival Gallagher, associated with Olmsted Brothers, has consented to speak on, "Lines and Curves of Park Roads and Walks." After his talk will be a chance for further discussion of this subject by the members. Visitors are urged to get into New Haven by noon or before, and meet in the Park Office in the City Hall, opposite the Green.

G. H. HOLLISTER,  
Manager, Hartford, Conn.

#### CLUB AND SOCIETY NOTES.

The Cincinnati Florists' Society's meeting last Monday evening was well attended. W. Ray Murphy gave the final report of the Relief Committee appointed after the storm last summer. The first step toward a big flower show next fall was taken when Pres. Max Rudolph appointed preliminary committee consisting of C. E. Critchell, chairman, Jos. Hill, W. Ray Murphy, J. A. Peterson and Henry Shepperd to investigate and report at the next meeting of the Society. After the meeting refreshments were served.

R. C. Kerr, of Houston, Texas, has accepted a place on the program at the meeting of the Tennessee State Florists' Association to be held in Nashville, Jan. 24. Subject will be "What the coming of the S. A. F. to the South means to the Southern Florists." It is hoped that this will help to stir up quite an interest in the South in the S. A. F. between now and convention time. Mr. Kerr, as vice-president of the S. A. F., will make an effort to arrange meetings at some of the other important Southern cities, about the same time.

#### PERENNIAL LUPINS.



The accompanying illustration shows a plantation of *Lupinus polyphyllus* in the grounds of the Mt. Desert Nurseries, Bar Harbor, Me. These lupins are among the showiest and most robust growers in the hardy perennial border

and in the pure tints of rose, white and purple make splendid mass effects. Within the past two seasons they have made their appearance in the cut-flower market in New York and have attained popularity as cut flowers already.

#### A PROMISING LATE CHRYSANTHEMUM.

At the regular meeting of the Buffalo Florist Club held on Tuesday, January 4th, Charles Guenther, whose greenhouses are located at Hamburg, N. Y., placed on exhibition a vase of very fine chrysanthemums. These were a pure white Maude Dean, not a particle of pink on any one of them. Mr. Guenther stated that they bloom the latest and have the best keeping quality of any variety yet grown and when they can be had at this time of season, especially when other stock is scarce, there would be an excellent demand and the price obtained would encourage the grower to produce them. The vase of blooms was later placed in the Kasting Company store and although they have now been cut ten days they look as good in every respect as if they were cut from the plants at this time. Mr. Guenther cut the most of this lot between Christmas and New Year, just the time when they could be used to good advantage.

E. C. B.

#### VIEW IN SCHENLEY PARK, PITTSBURGH.

Schenley Park is one of Pittsburgh's proudest possessions. Our cover illustration shows one of its most pleasing outlooks. The Robert Burns monument and the Phipps Hall of Botany are the central features. But there is a fine herbaceous border in the middle background which is brilliantly effective in the summer time and a bit of modest scroll work in bedding plants may be indistinctly seen in the foreground.

#### THE PHILADELPHIA SPIRIT.

Editor HORTICULTURE:

In your issue of HORTICULTURE under date of January 8th, under the heading of "A giant turned loose" in the editorial columns, I note you pay a glowing tribute to Philadelphia's responsibilities and capabilities in handling the big show which we are to have with us in a short time. Philadelphia too, (quoting from another editorial, same issue) does not boast of what she can do, but give her a chance and "she'll get there too, and then some."

There is no doubt about it that the coming show will eclipse anything of the kind that has ever been attempted. We are getting support from everybody, everywhere. The horticulturist, floriculturist, and every branch of business connected with our profession will be represented as never before. Keep up the good work in your editorials and in your news columns so that the measure of success for this great show will be filled to overflowing.

Our stenographer tells me that you failed to mention in your editorial, that every bit of mail leaving our office carries a poster stamp of the coming great event. (So does all mail leaving HORTICULTURE'S office, Ed.) Of course we appreciate that this must have been an oversight on your part and that it won't occur again.

Wishing HORTICULTURE as full a measure of success as we contemplate for the great National Flower Show of 1916, I beg to remain,

Very truly yours,

WM. J. MUTH

Lansdowne, Pa.

## NATIONAL FLOWER SHOW.

The National Flower Show, which has been in Philadelphia on Tuesday and Wednesday of this week, is the largest indoor flower show ever held in the United States. It is the first time that the Philadelphia Chamber of Commerce has been able to transfer to the National Flower Show committee for a certain consideration.

The full committee was present at the meeting of the local committee Wednesday afternoon. W. F. Kastig, Thomas Roland, John Young, P. Welch, George Agnew and W. E. C. C.

Reports were received from the chairmen of the various committees, which showed that remarkable progress has been made in completing arrangements for the National Show.

Mr. Kelly, secretary of the Philadelphia Chamber of Commerce, offered the good offices of the Association to further the interest of the show.

Mr. Therkildson's report on Publicity was a very thorough and elaborate one, showing that the work of this committee is highly commendable. The National Flower Show Committee feel deeply grateful to the members of its local committee in Philadelphia for the work they have already accomplished and feel safe in saying that this National Show in Philadelphia will surpass all previous efforts by the National Society.

## CLEAR OFF YOUR DESK.

You consider it very important to clean up the nursery after the fall season and put everything ship-shape and in readiness for the spring rush. How about the office, and that very important piece of furniture—your desk—with its load of musty, dusty papers, an accumulation from the past ages.

A mechanic cannot do good work without good tools and proper facilities. No more can you do good work with a desk littered with all sorts of things unassorted and of little value. Take up all these things, look them over, throw away the useless, properly label the useful so they are ready when needed. Surround yourself with such facilities for work that much of the detail is eliminated so that you may devote your time and thought to the big things.

Data on advertising, catalogues, stock, supplies, etc., when properly arranged and filed are ready the instant you wish to take up or consider any of these matters instead of wading through a miscellaneous accumulation a mile high. Orderly arrangement has cut out the detail and you are able to focus your attention at once on the all important items.

Likewise, clean up every nook and corner of the office; get rid of the useless accumulations, brush up your systems, study to make everything work smoothly and guard against error. Provide proper tools, blanks and stationery, that everything is attended to orderly. Have a place for everything and everything in its place; a right way and right facilities for doing work, and it will be done correctly.

"Order is God's first law," it is most

apparent to every man of affairs in the stock he grows. If it governs natural things, it certainly is applicable to the artificial condition of desk and office.

Throw away the useless and arrange the useful so as to be ready at a moment's notice.

Ring in the New Year with new and modern methods.—National Nursery.

## PUBLICATIONS RECEIVED.

*The Birds Go Out.* This is the title of a very pretty souvenir pamphlet, bound in orange and gold, which comes with the cordial good wishes of the President of the Panama-Pacific International Exposition. It gives a brief account of the ceremonies of the last day and night on the Exposition grounds at San Francisco on December Fourth, 1915. This story of the simple yet memorable symbolic closing exercises of this impressive public event will long be prized as a souvenir of one of the greatest achievements of the genius and enterprise of mankind.

*The Bird Book.* By Chester A. Reed, S. B. The attention of our readers is called to this splendid work published in 1914 by Charles K. Reed. In its nearly five hundred pages, size 7x10, are illustrated in natural colors more than seven hundred North American birds, also several hundred photographic reproductions of their nests and eggs, natural size. The plates are beautiful works of art and the descriptions of the birds, their habits and haunts are very complete and scientifically accurate. At the present time when so much of public attention is being given to the birds and their place in the economy of nature and the checking of injurious insect increase, this book should receive a cordial welcome by nature lovers, especially those who read *HORTICULTURE*. The publisher's price of this superb volume is \$3.15 postpaid. We are in a position at present to fill all orders for the book at the special reduced price of \$2.35, express prepaid. This is an exceptional bargain. Order promptly to take advantage of it.

We have another bargain for those of our readers who are interested in North American wild animals—"The Animal Guide," by Charles K. Reed, published 1915. This is a pocket edition, 3½x5½, 256 pages, with 61 full page illustrations in color from original paintings by Harry F. Harvey, and full descriptive notes. The publisher's price is \$1.00 and \$1.25 in cloth or leather binding respectively. We can supply copies, postpaid, while they last for 65 cents in cloth and 85 cents in leather.

*Silver Hill, Md.*—Word has just been received by Henry Witt of the death of his brother, who was formerly connected with him in the flower business here, in a hospital in Russia. Just prior to the commencement of the war, Mr. Witt returned to his old home in Germany with his father, who had been visiting the boys in Washington. When war was declared he was enlisted and it was while in a battle on Russian ground that he received the wound which caused his death.

## GROWING ARDISIAS.

Horticultural Publishing Company,  
A. J. FARR, President, Myrtle Beach, S. C.  
J. H. FARR, Vice President, Myrtle Beach, S. C.  
J. H. FARR, Secretary, Myrtle Beach, S. C.  
J. H. FARR, Treasurer, Myrtle Beach, S. C.  
J. H. FARR, Editor, Myrtle Beach, S. C.

Ardisia can be increased from seed and from cuttings. The seed can be sown any time after January and placed in a temperature of about 65 degrees. When large enough to handle they can be pricked out and later potted up. Cuttings of half ripened wood taken in January and placed in a warm propagating bed where they can have a bottom heat of about 80 degrees will soon root. They can also be increased by cutting the stem about half way through and covering the incision with some clean moss and tie with some raffia. Keep the moss continually moist and from 65 to 70 degrees at night. Roots will be emitted in about five or six weeks, when the tops can be taken off and potted. Keep moist and shaded for about ten days when they should be gradually brought out to full sun. All young plants should be kept growing right along and shifted as they may require it until you have them in 6, 7 or 8-inch pots. Scale, red spider and mealy bug must be fought with sponging and syringing. There are few plants that give more general satisfaction to the Christmas buyer than *Ardisia crenulata*. As the plants increase in size from year to year, the best time to do repotting is during February and March. Give them fibrous loam three parts, fibrous peat and well rotted cow manure one part each and some sand. From March to mid-summer raise the temperature from 55 to 60 degrees at night and from April and until the end of August they will require syringing on all bright days, and will take plenty of water at the roots. When they start to flower let up on your syringing so to give them a chance to set their berries. When the pots have filled up with roots they will need some liquid manure once a week and once in a while give them some soot water which will help to color up any pale foliage. By September they should be well furnished with berries and foliage. Give them plenty of sun but do not keep in too warm or overhumid quarters as they will send out a premature growth of foliage. Do not exceed 55 degrees at night, with about 10 degrees higher with sunshine. From October to Christmas careful watering is an important requirement. Examine each pot carefully and only water where and when it is really needed. Allow free room between the plants. The stems and foliage should be frequently sponged with some good insecticide such as Aphine, Lemon Oil, or Nikoteen for the removal as well as the prevention of brown scale which invariably troubles these plants. Those that are left over from the holidays can be given a cool house, say 48 degrees at night until the end of February. It takes from 3 to 3½ years to grow a salable plant from seed, while from cuttings 2½ to 3 years will be required.

JOHN J. M. FARRELL.

## REMOVAL NOTICE

We have moved to our new and more convenient quarters  
128 Chambers St., New York  
**ARTHUR T. BODDINGTON COMPANY, Inc.**

## SEED TRADE

### AMERICAN SEED TRADE ASSOCIATION

**Officers**—President, J. M. Lupton, Mattituck, L. I., N. Y.; First Vice-President, Kirby B. White, Detroit, Mich.; Second Vice-President, F. W. Boigiano, Washington, D. C.; Secretary-Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O. Cincinnati, O., next meeting place.

### American Seed Trade Association.

The Executive Committee of the American Seed Trade Association met in New York, Jan. 7th, with the following in attendance, viz.: President J. M. Lupton, Mattituck, N. Y.; Secretary C. E. Kendel, Cleveland, O.; Ex-President Lester L. Morse, San Francisco; Watson S. Woodruff, Orange, Conn.; Herman Simmers, Toronto, all members of the committee, and on invitation, Messrs. Henry Nungesser, M. H. Duryea and J. B. Deamud, representing the New York members.

It was voted to hold the next convention, June 20-22, 1916, in Chicago, headquarters to be announced later. A tentative program was arranged and the following resolution was adopted:

Resolved, That the Executive Committee of the American Seed Trade Association in annual meeting assembled recommends to the Association that beginning Jan. 1st, 1917, this Association and its members use the central system exclusively by offering all grass, clover, garden and field seeds, potatoes and onion sets by the pound and hundred pounds and abolishing the listing or trading in quarts, pecks and bushels.

C. E. KENDEL, Sec'y.

### Proposals for Government Seeds.

Proposals were opened on Tuesday last for the annual supply of vegetable and flower seeds by the Department of Agriculture, there having been sixty-one bids submitted. At the opening of the bids only items and prices were read, quantities quoted upon and other interesting information being held as confidential and not disclosed. A fairly correct list of bidders and prices is now available. The names of bidders on one or many items, as communicated to us are as follows:

On various vegetable seeds: Jones Bros., Somerville, Ga.; Geo. W. Smith, Rolla, Kansas; S. D. Woodruff & Sons, Orange, Conn.; E. B. Clark Seed Company, Milford, Conn.; Upper Columbia Company, Marble, Wash.; G. W. Oliver, Rocky Ford, Col.; R. H. James, Rocky Ford, Col.; J. S. Friener, Garden City, Kansas; Routzahn Seed Company, Arroyo Grande, Cal.; Waldo Rohrbert, Gilroy, Cal.; W. F. Woodside, Rocky Ford, Col.; Hunter Seed Company, San Francisco, Cal.; Lak Shore Seed Co., Dunkirk, N. Y.; John Bodger &

Sons Co., Los Angeles, Cal.; California Seed Growers' Association, San Jose, Cal.; W. H. Robinson, Cairo, Ga.; King Pharr, Catherine, Ala.; L. C. Pharr, Catherine, Ala.; Philip C. Riefel, Rocky Ford, Col.; Sioux City Seed & Nursery Co., Sioux City, Ia.; Braslan Seed Growers' Co., San Jose, Cal.; James L. Mauldin, Cairo, Ga.; H. Van Buskirk Seed Co., Rocky Ford, Col.; C. Herbert Coy Seed Co., Valley, Neb.; Rogers Bros., Alpina, Mich.; C. S. Wood, Rocky Ford, Col.; Della Shaulis, Rocky Ford, Col.; J. A. Shaulis, Rocky Ford, Col.; Chesmore Eastlake Mer. Co., St. Joseph, Mo.; Denaiffe & Sons, Berkeley, Cal.; Lenawee Seed Co., Blissfield, Mich.; Wm. McGery, Rolla, Kansas; Hartwell Wagoner, Rocky Ford, Col.; E. R. Bliss, Greeley, Cal.; Geo. R. Pedrick & Son, Pedericktown, N. J.; W. W. Barnard Co., Chicago, Ill.; Kimberlin Seed Co., Santa Clara, Cal.; Western Seed & Irrigation Co., Fremont, Neb.; Ebbert Seed Co., Rocky Ford, Col.; S. P. Godwin, Cairo, Ga.; G. H. Booth, Cairo, Ga.; M. H. Coon, Rocky Ford, Col.; Barteldes Seed Co., Lawrence, Kansas; Norton H. Morrison, Fairfield, Wash.; Chauncey P. Coy & Son, Waterloo, Neb.; Aggeler & Musser Seed Co., Los Angeles, Cal.; Irvin Bros., Rocky Ford, Col.; Henry Fish Seed Co., Carpinteria, Cal.; Pieters-Wheeler Seed Co., Gilroy, Cal.; F. W. Boigiano Co., Washington, D. C.; Arkansas Valley Seed House, Lakin, Kansas; Kelway & Son, Langport, Eng.; B. A. Gilbert, Monticello, Fla.

Various flower seeds: Routzahn Seed Company, Arroyo Grande, Cal.; Upper Columbia Company, Marble, Wash.; S. D. Woodruff & Sons, Orange, Conn.; Waldo Rohrbert, Gilroy, Cal.; John Bodger & Sons Co., Los Angeles, Cal.; J. W. Jung Seed Co., Randolph, Wis.; D. V. Burrell, Rocky Ford, Col.; S. H. Pollock, Rocky Ford, Col.; Kelway & Son, Langport, Eng.; Norton H. Morrison, Fairfield, Wash.; Vilmorin, Andrieux & Co., Paris, France; Pieters-Wheeler Seed Co., Gilroy, Cal.; Victor Johansen Seed Co., Los Angeles, Cal.

### Notes.

**Greenville, O.**—McCartney Bros. have taken over the seed business of Mace & Mansfield, 620 South Broadway.

**Delaware, O.**—J. H. Cunningham has purchased the J. C. Cox Seed store at West Winter St., to which he will add a cut flower department.

**Keokuk, Ia.**—The office and warehouse of the Gate City Seed Company was destroyed by fire December 28, causing an estimated loss of \$27,500.

Northrup, King & Co., of Minneapolis, Minn., have written to Senator Nelson, of that state, urging him to use his influence against the passage of the Anderson bill (H. R. 636) which would change the postal rates on seeds. It is stated that, in view of the fact that all catalogues for the year are fully or nearly completed, with prices based on present postal rates, a considerable loss would be suffered by the dealers. There would also be an added labor cost incident to weighing and zoning packages of above four ounces in weight.

The value of horticultural importations at the port of New York for the week ending December 31, 1915, is

given as follows: Red clover seed—France, \$15,082; Italy, \$32,430; England, \$8,424. Grass seeds—France, \$4,043; Spain, \$6,258; Scotland, \$1,216. Austria, \$99. Bulbs—Austria-Hungary, \$24; Belgium, \$386; France, \$84; Netherlands, \$9,124; Sweden, \$7,600; Japan, \$5. Plants and trees—Austria-Hungary, \$91; Belgium, \$1,791; France, \$2,631; Netherlands, \$4,911; England, \$1,202; Ireland, \$854; Japan, \$27. Muriate of potash—Dutch E. I. \$28,967. Fertilizer substitute—Scotland, \$29.

### NEW CORPORATIONS.

**Gaffney, S. C.**—Kirby Seed Company, capital stock, \$10,000. Incorporators, A. B. Kirby, D. C. Ross and Maynard Smyth.

**Atlantic, Ia.**—Nishna Valley Seed Co., capital stock, \$10,000. Incorporators, D. W. Thayer, J. W. Cuykendall and F. E. Tharn.

**Westbury, N. Y.**—Andrew R. Kennedy Co., to deal in seeds, bulbs and nursery stock, capital stock, \$10,000. Incorporators, C. A. R. and C. C. Kennedy.

### PATENTS GRANTED.

1,165,636. Combined Garden Weeder and Pulverizer. Otto H. Temte, Kathryn, N. D.

1,166,219. Greenhouse Construction. Maurice I. Jacobs, Brooklyn, N. Y.

1,166,446. Cultivator. Frank A. Davis, Sr., Blountstown, Fla.

1,166,476. Hand Fertilizer and Seed Broadcast Distributor. Washington B. Parrish, Kenbridge, Va.

1,166,477. Seed and Fertilizer Distributor. Washington B. Parrish, Kenbridge, Va.

1,167,051. Grass Cutter. John S. Doak, Fort Worth, Tex.

1,167,276. Hothouse Frame. Clarence Y. Davidson, Hazleton, Ind.

## GARDEN SEED

BET, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

**S. D. WOODRUFF & SONS, 82 Dey St., NEW YORK**  
and ORANGE, CONN.

### LILIUM GIGANTEUM COLD STORAGE

Extra Selected Stock. Gladiolus for forcing. Nansu, Colvilled or large flowering type. Greenhouse Fertilizers. Ask for 1916 Seed Catalogue.

**Joseph Breck & Sons Corp., Seedsmen**  
47-54 No. Market St., BOSTON, MASS.

**ALEX. McCONNELL**611 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or instructed by the trade to our attention for delivery on steamships or elsewhere receive special attention.

*Cost of Calling Foreign Florists  
Monthly Account*

Reference or cash must accompany all orders from unknown correspondents.  
Cable Address, ALEXMcCONNELL.

*Danker*

ALBANY, N. Y.

Florists' Telegraph Delivery  
Association

Orders for New York. Write or Phone to

**MAX SCHLING**

22 West 50th Street, Adjoining Plaza Hotel

Best Florists in the States as References.  
EUROPEAN ORDERS EXECUTED.  
Members of the Florists' Telegraph  
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**G. E. M. STUMPP**

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Member Florists' Telegraph Delivery Asso.

**DAVID CLARKE'S SONS**

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or Telegraph

2139-2141 Broadway, New York  
Telephone 1552-1553 Columbus

Established 1874

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FLORIST

N.E. Cor. 44 St. &amp; Madison Avenue, N. Y. City

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Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address: Dardsflor.

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**A. T. BUNYARD**  
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413 Madison Avenue at 48th Street.

WE GUARANTEE SATISFACTION  
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Of Interest to Retail  
Florists

NEW FLOWER STORES.

Pauling, O. - Ledyard Block

Fort Wayne, Ind. - Shelly Aurenty.

Bangor, Me. - A. J. Loder, Central St.

Indianapolis, Ind. - J. T. Brown 916  
N. Lincoln St.Salt Lake City, Mich. - Druehl &  
Franken Main St.New York, N. Y. - Livardas & Saro-  
vay, 933 Park Ave.Boston, Mass. - Moses Penn, remov-  
ing to 6 Bromfield St.Yonkers, N. Y. - Gus Massas suc-  
ceeding New York Floral Co.

Omaha, Neb. - Miss Parker, former-  
ly with A. Donaghue, 16th St. J. W.  
and E. E. Arnold, 16th and Douglas  
Sts. Lewis Henderson, removing to  
1517 Farnum St.

## THE WORM TURNS.

We clip the following from a Brook-  
lyn, N. Y., daily paper:

Charged with substituting artificial  
flowers for real ones in funeral floral  
pieces George Allen, 419 East 145th street,  
The Bronx, was held under \$500 bail for  
examination tomorrow by Magistrate Fol-  
well in the G. T. C. Court this morn-  
ing. Allen is in partnership with Walter  
Curry in the floral business.

Allen, a few days ago, at the home of  
Percy Shay, 20, of 261 Lafayette avenue,  
whose father had just died, obtained an  
order for three floral pieces, costing \$21.50.  
Delivery was made on January 1 and Allen  
was paid. After he left it was found that  
about one quarter of the flowers were arti-  
ficial. One piece was entirely artificial.  
Allen said in Court that it was a rush  
order and there were not enough real  
flowers in stock to fill the order.

Brooklyn Times.

**HIGH GRADE PLANTS**

For Retail Stores a Specialty

ASK FOR LIST

THOMAS ROLAND, Nahant, Mass.

**F. R. PIERSON CO.**FLORISTS AND  
PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

**HESS & SWOBODA**  
FLORISTS

Telephones 1501 and L 1532.

1415 Farnum St.,

OMAHA, NEB.

**S. A. ANDERSON**

440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy  
Stock and prompt deliveries in BUFFALO,  
LOCKPORT, NIAGARA FALLS and  
WESTERN NEW YORK.

Members of Florists' Telegraph Delivery.

**JOHN BREITMEYER'S  
SONS**Cor. Broadway and Gratiot Aves.  
DETROIT, MICH.Artistic Designs . . .  
High Grade Cut Blooms

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada.  
Members Florists' Telegraph Delivery  
Association.

**THE ROSERY**

23 STEUBEN ST.

**A BANY, N. Y.**FLOWER DELIVERIES FOR ALBANY  
AND VICINITY

Members Florists' Telegraph Delivery

GUDE BROS CO  
12143 ST. NW.  
WASHINGTON, D.C.WASHINGTON,  
D. C.**GUDE'S**Member Florists  
Telegraph  
Delivery**SAMUEL MURRAY**Kansas City, Mo.  
1017 Grand Ave.

Member of the Florists' Telegraph Delivery

**The Park Floral Co.**

J. A. VALENTINE, Pres.

Members Florists' Telegraph Delivery.

DENVER, COLORADO

Rochester, N. Y.

**J. B. KELLER SONS,**  
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 306. Long Dist. Bell Phone 2820  
Members Florists Telegraph Delivery**"THE HOME OF FLOWERS"**

The largest cut flower store in America  
Orders for the TWIN CITIES and for all  
Northwestern points given prompt at-  
tention.

**HOLM & OLSON, Incorporated**  
ST. PAUL, MINN.

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BUFFALO, N. Y.  
Members  
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Delivery Association

When writing to advertisers kindly  
mention HORTICULTURE.

# CHICAGO Send Your Orders to WILLIAM J. SMYTH

Member Florists' Telegraph  
Delivery Association

Michigan Ave. at 31st Street

Prompt Auto Delivery  
Service

## C. C. TREPEL

—TEN STORES—

Main Office, Bloomingdale's  
THIRD AVENUE and 59th STREET., NEW YORK

Largest individual retail  
dealer in CUT FLOWERS and  
PLANTS in the world. Deliveries  
made with promptness and ac-  
curacy in NEW YORK and BROOK-  
LYN.

## THOS. F. GALVIN INC.

NEW YORK 561 Fifth Ave.  
Vanderbilt Hotel

BOSTON 1 Park Street  
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Deliveries to Steamers and all Eastern Ports

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### A. GRAHAM & SON

5523 Euclid Ave.

Will take good care of your orders

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Auto delivery of Designs and Flowers to  
any address in Washington.

Stock and Work First Class

Orders Filled Day or Night for

## CLEVELAND and State of Ohio

Complete Stock. Regular discount to Trade.

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1836 W. 25th St., Cleveland, O.  
Members Florists' Telegraph Delivery Ass'n.

## THE SMITH & FETTERS CO.

735 Euclid Avenue

CLEVELAND, OHIO

Flowers of Every Kind in Season

## SALTER BROS.

—FLORISTS—

38 Main Street, West

ROCHESTER, - N. Y.

## WORCESTER, MASS.

Randall's Flower Shop

HARRY L. RANDALL, Proprietor.

Member Florists' Telegraph Delivery Association

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Centrally Located for Deliveries in All Parts of New England.

## H. F. A. LANGE

125,000 Sq. Ft. of Glass  
WORCESTER, MASS.

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Leading Retail Florists Listed by  
Towns for Ready Reference. Orders  
transferred by telegram or otherwise  
to any of the firms whose address is  
here given will be promptly and prop-  
erly filled and delivered.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl  
St.

Albany, N. Y.—The Rosery, 23 Steuben  
St.

Albany, N. Y.—Danker, 40-42 Maiden  
Lane.

Albany, N. Y.—William C. Gloeckner, 97  
State St.

Boston—Thos. F. Galvin, 1 Park St.

Boston—Penn the Florist, 37-43 Brom-  
field St.; 124 Tremont St.

Buffalo, N. Y.—S. A. Anderson, 440 Main  
St.

Brooklyn, N. Y.—C. C. Trepel.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan  
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid  
Ave.

Cleveland, O.—Adam Graham & Sons,  
5523 Euclid Ave.

Cleveland, O.—Knoble Bros., 1836 W. 25th  
St.

Cleveland, O.—The Smith & Feters Co.,  
735 Euclid Ave.

Denver, Col.—Park Floral Co., 1643  
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,  
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017  
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-  
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Younk & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.  
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth  
Ave.

New York—Thos. F. Galvin, Fifth Ave.,  
at 46th St.

New York—A. T. Bunyard, 413 Madison  
Ave., at 48th St.

New York—C. C. Trepel, Bloomingdale's.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415  
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25  
Clinton Ave., N.

Rochester, N. Y.—Salter Bros., 38 Main  
St., West.

St. Louis, Mo.—Fred C. Weber, 4526-28  
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-  
son Co.

Toronto, Can.—J. H. Dunlop, 8-10 West  
Adelaide St.

Washington, D. C.—Gude Bros., 1214 F  
St.

Washington, D. C.—F. H. Kramer, 915  
F St., N. W.

Westerly, R. I.—Reuter's.

Worcester, Mass.—H. F. A. Lange.

Worcester, Mass.—Randall's Flower Shop,  
3 Pleasant St.

*Penn The Florist*

"The Telegraph Florist"

Member of Florists' Telegraph Delivery

37-43 Bromfield St., 124 Tremont St.,  
Boston, Mass.

REUTER'S Members Florists  
Telegraph  
Delivery

STORES IN

New London and Norwich, Conn.  
and Westerly, R. I.

We cover the territory between  
New Haven and Providence

ST. LOUIS, MO.

FRED C. WEBER

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NOTICE INITIALS. We have one store only

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

The Far-Famed Flowers of  
**TORONTO**

Delivered on mail or telegram order for  
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

8-10 West Adelaide St. - TORONTO, ONT.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER

1 NORTH PEARL STREET, ALBANY, N. Y.

KERR

ORDERS FOR TEXAS

HOUSTON, TEXAS

The Florist

Member F. T. D. Association

## NEWS ITEMS FROM EVERYWHERE

### BOSTON.

It is said that the Boston florist business is around again after a severe attack of shingles.

M. Aronson, the Crawford House florist, has entered the wholesale field and is handling the shipments of the East Sudbury greenhouses.

Harry Ward has severed his connection with W. Capstick of Auburdale and his goods at the Exchange are now being handled by George Cartwright.

The epidemic of gripe has not overlooked the florist business. Amongst those laid up are Chas. Robinson, A. Caplan, L. Sloane, A. H. Woods, Laurence Flynn and A. Spaulding.

R. & J. Farquhar & Co. are preparing a catalogue of all the new and rare trees and shrubs in the Arnold Arboretum. There are no less than 1200 species and varieties in the list, which is still incomplete.

Tuesday evening, January 18, will be "Ladies' Night," at the Gardeners' and Florists' Club of Boston. The new officers will be inducted and there will be the usual entertainment, refreshments and dancing.

Richard M. Saltonstall, the new president of the Massachusetts Horticultural Society, in his inaugural address advocated two radical changes in the workings of the society. President Saltonstall declared, "I strongly recommend the formation of classes for instruction in the various branches of gardening, such as preparation of the soil, planting, making cuttings, pruning, exhibitions in the orchard of the best methods for the care of fruit trees, and field meetings at successful commercial nurseries. I personally believe open air classes are what are needed to revive and keep growing the interest in this society's work. I hope this work will not be held too closely to the old-time beaten track, but will branch out into broader fields. I also suggest the reduction of the number of large exhibitions held by the society. At present we hold twelve and I think this should be reduced to at least eight, with two annual shows—one in the spring and fall."

In addition to the havoc wrought by the storms two weeks ago as recorded in our news notes from various points, belated reports of damage of more or less severity have come in from Cromwell, Conn., where the greenhouse plants of A. N. Pierson and Magnus Pierson suffered damage, and Hartford, Conn., where John Coombs lost some 500 lights of glass. Charles Fullick of Natick, Mass., also reported considerable loss of glass.

### PITTSBURGH.

Mr. John McKinley, of Randolph, has been confined to the house for the past fortnight with an aggravated form of la grippe.

Ray J. Daschbach has returned from a business trip in New York. Frank Kilgallon, a salesman in his Wood street shop is confined to his home with pneumonia.

While skating Charles Ottinger, aged 18 years, of Illinois, sank in 35 feet of water and was drowned in a pond of the Pittsburgh Cut Flower Co., at Gibsonia, yesterday afternoon, while a girl companion was rescued by William Rabel, an employee of the flower company.

Harry E. Graves, who has had charge of the new branch shop of the Zieger Company, has resigned his position and gone to Los Angeles, California, owing to a nervous breakdown, which has been pending for some time. He is accompanied by his family and will remain indefinitely.

George E. Hallam of the North Side is in the Allegheny General Hospital for an operation for an abscess of the adnoids—the after effects of his recent attack of pneumonia from which he had seemingly recovered about Thanksgiving. Meanwhile Mrs. Hallam continues in charge of his business.

James Thompson, an employee of the E. C. Ludwig Co., who was seriously injured in a trolley accident on New Year's evening, has just been removed to the Presbyterian Hospital. His spine has been injured, precluding his recovery for at least two months. Charles Thompson, a brother employed in the shipping department of the McCallum Company, is convalescing from injuries received in the same accident.

Walter James, who has charge of the greenhouse of W. Henry R. Hilliard, of South Homewood avenue, has a house of surpassingly beautiful cyclamens and Farquhar's giant pink and white *Primula sinensis*. Mr. James also has the supervision of the house conservatory, which is probably the largest in the city. He is the youngest son of the late David James, the veteran commercial florist of Squirrel Hill, and a brother of Edward S. James, who for some years has been in charge of the Hotel Schenley grounds.

Dover, N. H.—Charles L. Howe, the florist, entertained a party of his employees at a turkey supper on the evening of January 4, at his home and each guest received a substantial souvenir of the occasion. They, however, turned the tables on their host by surprising him with a handsome set of Haviland china. It was a rare and happy occasion.

### CHICAGO.

Florists here are receiving their letters from the East decorated with the flower show sticker, reminding them that it is time to plan for that event.

Two deaths have occurred among the retailers this week: one who has been engaged in business here over a quarter of a century, and the other but just beginning. Further notice appears in our obituary columns.

It is doubtful if Chicago parks were ever enjoyed in the summer as they are just now. The commissioners responded to requests to have the low places flooded, and good skating keeps the parks filled with happy youngsters.

Frank Oechslein's new and handsome dwelling house is now nearing completion. It is opposite his greenhouses, but Mr. Oechslein does not believe in keeping his work constantly before him, so he has faced his house around the other way.

D. P. Roy is now nicely located in a large airy room, where his growing trade can be handled more conveniently. Mr. Roy, who has just returned from a northern business trip, says the flower seed business is active now, also that hydrangeas are moving well.

The many friends of John Poehlmann will be pained to learn of his serious illness. After several weeks' absence from the store, he was still far from well and Jan. 7th an operation was resorted to in the hope of bettering his condition. The results were not satisfactory and his condition is regarded as critical.

The wholesale flower stores have such a deserted appearance that, upon entering, one is impressed with the idea that the occupants have moved out. The big tables that a few weeks ago were filled to overflowing, now hold a vase or two, or possibly nothing at all. Flowers disappear so fast that the tables are empty most of the time.

### SAN FRANCISCO.

A committee of five was appointed at a recent meeting of the creditors of the Luther Burbank Co. to work out a plan for reorganization.

Frank G. Cuthbertson, with C. C. Morse & Co., is giving considerable attention to the preparations for the Sweet Pea Show which is to be held in this city in June under the auspices of the American Sweet Pea Society.

A new florist shop has been opened on F street in Eureka, Cal., by the Cottage Gardens Nurseries, of which C. W. Ward is head, but it is understood the present establishment is only temporary, and that a much better place will be fitted up shortly.

# For the Florists of America

A NEW LINE OF

## Baskets, Plant Receptacles and Other Up-to-Date Goods OF DOMESTIC MANUFACTURE

Superior in quality and design to anything ever imported. Also more for your money. These goods are **new, original and profitable**. Many of them we handle exclusively; of the rest we handle more than any other supply house in this country.

*Send for Our Silent Salesman*

THE FLORISTS' SUPPLY HOUSE OF AMERICA

**H. BAYERSDORFER & CO.,** 1129 Arch Street,  
PHILADELPHIA, PA.

The Ladies' Auxiliary of the Pacific Coast Horticultural Society met at the home of Mr. and Mrs. H. Plath on January 6th, and a very pleasant evening was spent playing cards and enjoying other forms of entertainment. Despite the stormy weather, various members were present from the East Bay cities and from down the peninsula as well.

W. Hoffinghoff of the MacRorie-McLaren Co. calls attention to the fact that a large percentage of gardens being laid out in California at the present time are typically Californian. He says there is a tendency to get away from the French, English and Japanese ideas of landscaping and to use native plants in natural surroundings as much as possible.

### PROVIDENCE, R. I.

William H. Covill has resigned as a member of the Park Commission to become a member of the Fire Commission, to which he was elected in a bitter struggle.

The salary increase recommended by the finance committee, passed by the city council, vetoed by Mayor Gainer, the veto over-ridden by the common council, was finally killed by the Board of Aldermen last week when that body sustained the veto by a vote of 5 to 5. Park Supt. Green loses an increase of \$12.05 per week.

The Westminster Greenhouses, Incorporated, is defendant in two suits filed in the Superior Court in which the damages aggregate \$2000. It is alleged that Giovanni Silvio was hit and injured by the defendant's automobile at the corner of Broadway and America street, Oct. 12, 1915. The injured lad is a minor. He sues for \$1000 for his injuries and his father, Francesco Silvio, sues for \$1000 as compensation for loss of his son's services.

Florists of this city and other sections of the State are guessing at this time how much they will have to pay for soft coal before the winter is over. The shortage of vessels because of the war has boosted the price of transportation of coal from 40 cents up as high as \$3 per ton, and coal that cost \$4.00 a ton at the beginning of the season is now costing \$7.50. Providence dealers predict that the price may soar to \$10 a ton by the first of next month.

### PHILADELPHIA.

Chairman Cowperthwaite sends in the name of Dooner's Hotel, omitted through an oversight in the list of hotels available for visitors to the National Flower Show. Dooner's Hotel is located at 23 South 10th street and Convention Hall may be reached by taking the North 13th street car No. 53; about 30 minutes' ride. Rates are from \$1 per day to \$2.50, the latter accommodating two persons, with bath.

Philadelphia loses one of its best known floral artists, and Chicago is the gainer, by the jump of William Graham from Habermehl to Fleischman. Mr. Graham left Philadelphia on the 7th inst. for Chicago, accompanied by Mrs. Graham and family, where they will locate permanently. Few men have made their mark on big artistic floral decorations for civic, national and international celebrations as has William Graham. In fact it is generally conceded that he is unequalled in that particular line. We extend to him our very best wishes for success in his new sphere.

### NEWS NOTES.

**Westerly, R. I.**—George L. Stillman has leased six acres of land on Beach street to be devoted to dahlia growing.

**New York, N. Y.**—George W. Cohen and M. Hiller have opened a florist supply house at 874 Broadway, under the firm name of Cohen & Hiller.

**Biddeford, Me.**—The Norwood vs. Hutchins suit, in which Mr. Norwood sues for a balance of \$450 claimed to be due him on a contract for greenhouse construction for Mrs. Hutchins is being fought out with a persistency worthy of a greater amount than \$450. Heating experts, glass men, lumber men and florists are all called in to testify to the efficiency or inefficiency of the construction details.

**Cincinnati.**—At the organization meeting of the William Murphy Company, W. Ray Murphy was elected president, Mrs. Luna Murphy vice-president, and L. L. Murphy secretary and treasurer. W. Ray Murphy was chosen manager and Miss Cora Pherison assistant manager.

Albert McCullough is reported to have recently undergone a serious operation at Christ Hospital.

### Visitors Register

Buffalo, N. Y.—J. J. Karins, rep. H. A. Dreer, Phila., Pa.; J. Von Sonneveld, Holland; H. J. Wise, East Aurora, N. Y.

Washington — Sidney H. Bayersdorfer, Phila., Pa.; John Van Zonneveld, Sassenheim, Holland; C. M. Tolman, Bangor, Me.; E. F. Hoehl, rep. S. S. Skidelsky, Phila., Pa.

Philadelphia, Pa.—Patrick Welch, Boston, Mass.; Walter A. Reed, rep. Alfred J. Brown Seed Co., Grand Rapids, Mich.; George Asmus, Chicago; W. F. Kasting, Buffalo, N. Y.; Thomas Roland, Nahant, Mass.

New York—W. S. Woodruff, Orange, Conn.; C. E. Kendel, Cleveland, O.; Lester L. Morse, San Francisco; J. A. Simmers, Toronto, Ont.; A. E. Thatcher and John Stalford, Bar Harbor, Me.; S. S. Pennock, Phila. Pa.

Pittsburgh—James Scott, of Scott Brothers, Elmsford, N. Y.; S. M. Rosenfeld, New York; E. R. Dietz, New York; Walter E. Cook, Stump & Walter Co., New York; Mr. Farney, Rice Co., Phila., Pa.; I. Rosnosky, Michell Co., Phila.; Milton Alexander, New York; S. Verdegaa, Sassenheim, Holland.

Boston—George Buxton, Nashua, N. H.; Charles Schwake, New York; Chas. F. Meyer, New York; Mr. Simons, rep. Arthur T. Boddington Co., New York; Paul Berkowitz, rep. H. Bayersdorfer & Co., Philadelphia; A. E. Thatcher and John Stalford, Bar Harbor, Me.; Charles H. Vick, Rochester, N. Y.

Amherst, Mass.—Senior students in Floriculture at the Massachusetts Agricultural College are working on a problem on the Organization of a Retail Establishment. Houses four miles outside of Boston have been selected for the work.

The Tampa Floral Co., Anton Fische, proprietor, Tampa, Fla., sent out one of the prettiest and most appropriate "Greetings for the Holidays" that we have seen this season.

## WHEN IN THE MARKET FOR BEAUTIES

Let us quote you prices. We expect an ample supply for the month of January

### THE LEO NIESSEN CO.

Wholesale Florists

1201-05 Race Street,

PHILADELPHIA, PA.



### THE BEST LETTERS

FOR  
FLORIST'S  
USE

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THOSE  
MADE  
BY THE

### Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.

Script Letters, \$3.00 per 100.

Order direct or buy from your local supply dealer. Insist on having the

**BOSTON**

Inscription, Emblems, etc. Always in Stock.

## Wired Toothpicks

Manufactured by

### W. J. COWEE, Berlin, N. Y.

10,000....\$1.75 50,000....\$7.50. Sample free.  
For sale by dealers.

## E. G. HILL CO.

Wholesale Florists

**RICHMOND, IND.**

Please mention Horticulture when writing.

### MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

*Hardy Fancy Fern Our Specialty*

264 RANDOLPH ST., DETROIT, MICH.

Telephone 3860 Madison Square

### WOODROW & MARKETOS

WHOLESALE

### Plantsmen and Florists

37 and 39 West 28th St., NEW YORK

## POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around  
**72-74 EAST RANDOLPH ST., - - - CHICAGO.**

If interested, send us your name and address for our weekly price list.

## WELCH BROS. CO. Wholesale Cut Flower Market

Daily consignments from leading growers Full line of Florists' Supplies Write for quotations before ordering elsewhere

**226 DEVONSHIRE ST., BOSTON, MASS.**  
Telephone, Main 6267-6268

### WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Jan. 13		ST. LOUIS Jan. 1		PHILA. Jan. 10	
<b>Roses</b>						
Am. Beauty, Special	40.00	to 50.00	40.00	to 60.00	3.00	to 50.00
" " Fancy and Extra	20.00	to 30.00	25.00	to 30.00	12.50	to 25.00
" " No. 1	6.00	to 20.00	10.00	to 15.00	6.00	to 10.00
Russell, Halley	8.00	to 15.00	10.00	to 15.00	6.00	to 35.00
Killarney, Richmond, Hillingdon, Ward, Extra	8.00	to 8.00	3.00	to 10.00	10.00	to 15.00
" " Ordinary	3.00	to 6.00	5.00	to 6.00	5.00	to 8.00
Arenburg: Radiance, Taft, Key, Extra	6.00	to 12.00	.....	to 10.00	10.00	to 15.00
" " Ordinary	3.00	to 6.00	.....	to 5.00	5.00	to 8.00
Ophelia, Mock, Sunburst, Extra	3.00	to 12.00	8.00	to 10.00	10.00	to 15.00
" " Ordinary	3.00	to 6.00	.....	to 5.00	5.00	to 8.00
<b>Carnations, Fancy</b>	4.00	to 5.00	5.00	to 6.00	5.00	to 6.00
" " Ordinary	3.00	to 4.00	2.00	to 3.00	3.00	to 4.00
<b>Cattleyas</b>	30.00	to 50.00	50.00	to 60.00	35.00	to 50.00
<b>Dendrobium formosum</b>	.....	to 40.00	.....	to 35.00	35.00	to 50.00
<b>Lilies, Longiflorum</b>	8.00	to 10.00	12.00	to 15.00	12.50	to 15.00
" " Rubrum	.....	to 6.00	6.00	to 8.00	5.00	to 8.00
<b>Callas</b>	10.00	to 15.00	10.00	to 12.00	12.50	to 16.00
<b>Lily of the Valley</b>	3.00	to 5.00	3.00	to 4.00	2.00	to 5.00
<b>Demies</b>	1.00	to 2.00	.75	to .50	.50	to 2.00
<b>Violets</b>	.50	to .75	.50	to .75	.25	to 1.00
<b>Mignonette</b>	2.00	to 4.00	3.00	to 4.00	3.00	to 6.00
<b>Snappedragon</b>	2.00	to 6.00	4.00	to 5.00	4.00	to 15.00
<b>Narcissus, Paper-White</b>	2.00	to 2.50	3.00	to 4.00	4.00	to 5.00
" " Trumpet	2.00	to 6.00	.....	to 6.00	6.00	to 8.00
<b>Hyacinths, Roman</b>	2.00	to 2.50	3.00	to 4.00	3.00	to 4.00
<b>Freesia</b>	3.00	to 4.00	.....	to 3.00	3.00	to 6.00
<b>Calendulas</b>	2.00	to 3.00	3.00	to 4.00	2.00	to 4.00
<b>Stevia</b>	.75	to 1.00	1.00	to 1.50	.....	to 2.00
<b>Sweet Peas</b>	1.00	to 1.50	1.00	to 2.00	.75	to 2.00
<b>Gardenias</b>	25.00	to 50.00	.....	to 16.00	16.00	to 40.00
<b>Adiantum</b>	.....	to 1.00	1.00	to 1.25	1.00	to 1.50
<b>Smilax</b>	12.00	to 16.00	18.00	to 15.00	15.00	to 20.00
<b>Asparagus Plumosus, Strings (100)</b>	25.00	to 50.00	35.00	to 50.00	.....	to 50.00
" " & Spreng. (100 Bchs.)	25.00	to 35.00	20.00	to 35.00	25.00	to 50.00

## WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - - BUFFALO, N. Y.

## Chicago Flower Growers Ass'n.

Wholesale Growers of Cut Flowers and Plants

182 N. Wabash Avenue - - - Chicago, Ill.

### CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

## Flower Market Reports


**BOSTON** Market conditions are about the same as the past three weeks. Carnations are a little more plentiful, still they sell rapidly. Jonquils are coming in in good crop but are not sufficient to supply the demand. Narcissus paper-white still holds up in price. The Boston market has not in years had such a long stretch of time where the growers have been unable to supply the demand. Exceptionally fine calendulas are being received, also sweet peas, Roman hyacinths, snapdragon, callas and lilies. The rose market is fairly well cared for, quality being excellent all through, and prices are holding quite regular, although reduced somewhat from the holiday level. Violets are good and move reasonably well. Yellow trumpet narcissi are being produced in acceptable quality considering the date, and they are selling at profitable figures. Freesias are very fine this season.

The unusual amount of floral work last week called for an extra lot of flowers. The supply was very short and at times it was hard to fill any order complete no matter what was ordered. Roses have been scarce since the first of the year, especially the "shorts," while the long and medium have not been too plentiful. Carnations have been on the short side and orders are only half filled. Everything else has cleaned up at end of the day.

A general shortage of stock still continues. Instead of the usual slump in business following the holiday season, trade has kept up steadily and prices are practically the same as were in effect at Christmas. Carnations are making a new record and the grower who has large cuts now will have money to build more houses next year. There is no use in specifying; all kinds of cut flowers are scarce and there are so many funerals that quantities of medium-grade stock are wanted each day and there is never enough to be had. On account of this shortage all kinds of green are in extra demand and bring prices accordingly.

While business as a whole is fairly good, still there are days when the market is rather slow. The opening and close of each week seem to be best, while in mid-week the demand is not very active. Shipping business is very good. Roses are good and plentiful. Carnation receipts, while not very strong, are sufficient. Lilies are very plentiful but lily of the valley is rather short. Narcissi sell pretty well. The dark weather is against sweet peas and the cut is not very large. Violets and orchids are very plentiful.

The condition of light — and in some respects insufficient supply continues without much change, although there is a tendency downward in the values of such things as were materially advanced in price for the holiday period, especially roses and carnations. Cattleyas are also taking a downward course and are overplentiful for the daily require-



# CATTLEYAS

Wonderfully choice quality, every one a specimen. \$6.00 per doz., \$40.00 per 100.

Medium quality, perfect flowers, \$4.00 per doz., \$25.00 per 100.

SINGLE DAFFODILS, \$5.00 and \$6.00 per 100.

**S. S. PENNOCK-MEEHAN CO.**

The Wholesale Florists of Philadelphia

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NEW YORK  
117 W. 28th St.  
BALTIMORE  
Franklin and St. Paul Sts.  
WASHINGTON  
1216 H St., N. W.

## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI	CHICAGO	BUFFALO	PITTSBURG
<b>Roses</b>				
Am. Beauty, Special.....	40.00 to 50.00	45.00 to 50.00	50.00 to 50.00	50.00 to 50.00
"    Fancy and Extra.....	25.00 to 30.00	25.00 to 35.00	30.00 to 35.00	30.00 to 35.00
"    No. 1.....	8.00 to 10.00	10.00 to 20.00	10.00 to 25.00	10.00 to 25.00
Russell, Hadley.....	6.00 to 15.00	10.00 to 30.00	10.00 to 20.00	10.00 to 25.00
Killarney, Rich'm'd, Hill'don, Ward	10.00 to 10.00	8.00 to 10.00	6.00 to 8.00	10.00 to 10.00
"    Ord.....	4.00 to 6.00	4.00 to 8.00	4.00 to 6.00	6.00 to 8.00
Arenburg, Radiance, Taft, Key, Ex.	10.00 to 10.00	8.00 to 10.00	12.00 to 15.00	10.00 to 10.00
"    Ord.....	1.00 to 6.00	4.00 to 8.00	6.00 to 10.00	10.00 to 10.00
Ophelia, Mock, Sunburst, Extra.....	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00	15.00 to 10.00
"    Ordinary.....	4.00 to 6.00	4.00 to 8.00	4.00 to 6.00	8.00 to 10.00
<b>Carnations, Fancy.....</b>	4.00 to 5.00	6.00 to 8.00	4.00 to 5.00	8.00 to 10.00
"    Ordinary.....	1.00 to 3.00	4.00 to 5.00	3.00 to 4.00	6.00 to 6.00
<b>Cattleyas.....</b>	60.00 to 75.00	60.00 to 75.00	60.00 to 60.00	60.00 to 80.00
<b>Dendrobium formosum.....</b>	10.00 to 12.00	10.00 to 12.00	10.00 to 12.00	10.00 to 15.00
<b>Lilies, Longiflorum.....</b>	4.00 to 10.00	4.00 to 10.00	4.00 to 5.00	4.00 to 5.00
"    Rubrum.....	10.00 to 12.50	10.00 to 12.00	10.00 to 12.00	10.00 to 12.00
<b>Callas.....</b>	4.00 to 5.00	3.00 to 5.00	3.00 to 4.00	4.00 to 5.00
<b>Lily of the Valley.....</b>	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
<b>Daises.....</b>	1.00 to 1.50	1.00 to 2.00	1.00 to 1.50	1.00 to 2.00
<b>Violets.....</b>	1.00 to 4.00	1.00 to 6.00	1.00 to 6.00	1.00 to 8.00
<b>Mignonette.....</b>	1.00 to 4.00	1.00 to 12.00	1.00 to 6.00	1.00 to 10.00
<b>Snapdragon.....</b>	1.00 to 4.00	1.00 to 5.00	1.00 to 6.00	1.00 to 10.00
<b>Narcissus, Paper-White.....</b>	3.00 to 4.00	3.00 to 5.00	2.00 to 3.00	3.00 to 4.00
"    Trumpet.....	4.00 to 5.00	4.00 to 5.00	4.00 to 6.00	4.00 to 5.00
<b>Hyacinths, Roman.....</b>	3.00 to 4.00	3.00 to 5.00	2.00 to 3.00	3.00 to 4.00
<b>Freesia.....</b>	3.00 to 4.00	3.00 to 5.00	3.00 to 5.00	3.00 to 5.00
<b>Calendulas.....</b>	2.00 to 3.00	1.00 to 3.00	1.00 to 4.00	1.00 to 4.00
<b>Stevia.....</b>	2.00 to 3.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
<b>Sweet Peas.....</b>	1.00 to 1.50	1.00 to 2.00	1.00 to 1.50	1.00 to 2.00
<b>Gardenias.....</b>	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
<b>Adiantum.....</b>	1.00 to 1.00	1.00 to 1.00	1.00 to 1.00	1.00 to 1.25
<b>Smilax.....</b>	12.50 to 15.00	12.00 to 18.00	15.00 to 15.00	15.00 to 15.00
<b>Asparagus Plumosus, Strings (100)</b>	25.00 to 50.00	50.00 to 50.00	60.00 to 60.00	50.00 to 50.00
"    & Spreng. (100 bchs.)	25.00 to 50.00	25.00 to 50.00	50.00 to 30.00	50.00 to 35.00

# J.A. BUDLONG

184 North Wabash Avenue, CHICAGO

**ROSES, VALLEY and  
CARNATIONS  
A Specialty**

**WHOLESALE  
GROWER of**

**CUT FLOWERS**

ments of the market. Violets move slowly, the singles finding the better returns, and there is a surplus of both single and double at times. Lily of the valley is fulfilling the predictions of scarcity made earlier in the season and averages about 50 per cent. higher returns than in recent years. Other bulbous stock is faring well so far. This includes lilies longiflorum and rubrum, callas, freesias, paperwhite

narcissi, trumpet daffodils, Roman hyacinths and a few scrubby tulips. Sweet peas are fine and sell at good prices, especially the Spencers. The variety of roses in market is the most extensive in the history of the flower trade. All tastes as to size, color, form and fragrance can be at once gratified and there are many more on the way for next season.

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Choice Cut Flowers

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Wholesale Commission Florists

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Telephone 3665, Farragut.

Call and inspect the Best Establishment  
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Ferns, Mosses, Wild Smilax, Galax,  
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Laurel, Hemlock, all Decorative Evergreens.  
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Pansies and Violets

I have a good market for them.

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SAVE TIME AND MONEY BY SENDING YOUR ORDER TO US

Prices Right. Consignments Solicited. Telephone Connection

HEADQUARTERS FOR NOVELTIES

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GARDENIAS, DAISIES, ROSES, CARNATIONS

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Telephones 1684 / 1685 Madison Square

CONSIGNMENTS SOLICITED

NEW YORK QUOTATIONS PER 100. To Dealers Only

**ROSES AND CARNATIONS**

	Last Half of Week ending Jan. 8 1916	First Half of Week beginning Jan. 10 1916
<b>American Beauty, Special</b>	4.00 to 5.00	3.00 to 5.00
" " Fancy and Extra	2.00 to 3.00	1.00 to 2.00
" " No. 1	1.00 to 2.00	5.00 to 12.00
<b>Russell, Hadley</b>	4.00 to 5.00	1.00 to 15.00
<b>Killarney, Richmond, Hillingdon, Ward, Extra</b>	6.00 to 12.00	6.00 to 8.00
" " Ordinary	4.00 to 5.00	1.00 to 6.00
<b>Arenburg, Radiance, Taft, Key, Extra</b>	6.00 to 12.00	6.00 to 10.00
" " Ordinary	1.00 to 5.00	3.00 to 5.00
<b>Ophelia, Mock, Sunburst, Extra</b>	6.00 to 12.00	1.00 to 5.00
" " Ordinary	4.00 to 5.00	1.00 to 5.00
<b>Carnations, Fancy</b>	4.00 to 5.00	4.00 to 6.00
" " Ordinary	1.00 to 1.00	1.00 to 3.00

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**WALTER R. SIEBRECHT CO.**

Incorporated

Wholesale Commission Florists

Orchids, Gardenias and Many Unusual  
Flowers of Quality.

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NEW YORK

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WHOLESALE FLORISTS

55-57 West 26th Street

Telephones, 13—8510 Madison Square

MAURICE L. GLASS, Treasurer

Consignments Solicited

## Flower Market Reports

(Continued from page 85)

The past week was seemingly the climax of this exceptionally brilliant social season, the entertaining taxing the artistic creative skill of the fashionable florists to the utmost. Many beautiful dinner table decorations have been made in which the newer roses figured largely. Apropos of the exceptional demand and scant supply, a retailer remarked the other day that "it would pay an outsider to go to one of the commission houses at eight o'clock in the morning to see the buyers fighting for stock," a condition unheard of in the history of Pittsburgh. One retail firm was compelled to close at three o'clock last Saturday owing to absolutely nothing to work on, and turned away approximately fifty dollars' worth of trade. Added to this, illness has depleted the working forces, making another serious handicap to successful business. A member of the largest wholesale firm here said early in the week, "We are not trying to fill our orders; we simply try to touch them up a little." One retail firm downtown was fortunate in receiving a consignment of two thousand carnations from Chicago.

At the beginning of the new year the San Francisco florists are optimistic over the prospects for a good year's business. With the closing of accounts for 1915 no complaints are registered, as most firms enjoyed the best business in their history. Flowers are far from plentiful here. The supply is usually light in January, but the shortage is a little more pronounced than in former years owing to the stormy weather which ushered in 1916 and has prevailed all week. Interest centers around roses and carnations and everything cleans up closely regardless of price or quality providing it is usable at all. Violets are recovering a little from the effects of the frost and wind last week, but the cut is still below normal and shippers are experiencing difficulty in filling their orders, the scarcity being accentuated by a very active local demand. To relieve the monotony a few daffodils are appearing, and a limited amount of freesia and narcissus finds a ready market. Some China lilies are offered and they demand high prices. Lily of the valley is very scarce and but very few callas are offered. The outlook for the latter is not very favorable as frost damage is reported in several localities. Gardenias are only in medium supply, while the cut of orchids is about sufficient for the demand. The great popularity of flowering plants is commented upon by various members of the trade. The cut flower shortage may be responsible to a certain extent for the strong position of plants but it would hardly account for the heavy increase in the demand. This class of stock was a bigger factor than usual in the holiday business, and the later arrivals are maintaining their popularity.

The market since New Years' has been short and the demand has been very large. The new year has

## PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

TELEPHONE MAIN 2698

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M.

## NEW YORK QUOTATIONS PER 100. To Dealers Only

### MISCELLANEOUS

	Last Half of Week ending Jan. 8 1916	First Half of Week beginning Jan. 10 1916
Cattleyas	20.00 to 50.00	10.00 to 1.00
Dendrobium formosum	25.00 to 50.00	1.50 to 5.00
Lilies, Longiflorum	8.00 to 15.00	2.00 to 1.00
"    Rubrum	6.00 to 8.00	5.00 to 6.00
Callas	8.00 to 12.00	8.00 to 12.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00
Daisies	2.00 to 3.00	1.00 to 2.00
Violets	5.00 to 7.50	1.50 to .75
Mignonette	2.00 to 4.00	2.00 to 4.00
Snopdragons	3.00 to 5.00	3.00 to 5.00
Narcissus, Paper-White	1.00 to 2.00	1.00 to 2.00
"    Trumpet	2.00 to 4.00	2.00 to 4.00
Hyacinths, Roman	2.00 to 4.00	2.00 to 4.00
Freesia	2.00 to 4.00	2.00 to 4.00
Calendulas	1.00 to 2.00	1.00 to 2.00
Stevia	1.00 to 2.00	1.00 to 2.00
Sweet Peas	1.00 to 2.00	1.00 to 2.00
Gardenias	4.00 to 5.00	4.00 to 5.00
Adiantum	1.00 to 2.00	1.00 to 2.00
Smilax	3.00 to 4.00	3.00 to 4.00
Asparagus Plumosus, strings (per 100)	15.00 to 20.00	15.00 to 20.00
& Spreng (100 bunches)		

## I SELL FLOWERS

What Have You to Offer for Coming Season?

I have an unlimited market for any variety of flowers, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty-eight years in the Cut Flower Commission Business.

Write for information or call and talk it over.

Telephone 167 & 4468 Mad. Sq. **J. K. ALLEN** 118 West 28th Street NEW YORK

## EDWARD REID WHOLESALE FLORIST

1619-21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES  
and all Seasonable Varieties of Cut Flowers

## PHILADELPHIA Wholesale Flower Exchange

1625 Ranstead St., Philadelphia  
EVERYTHING IN CUT FLOWERS  
Gardenias and Orchids a specialty.  
"Jake" knows the ropes. Give him a trial. Consignments solicited.

Established 1888 Tel. 551 Madison Sq.

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Wholesale Commission Florists

110 West 28th St., New York

We Solicit Consignments of New England Grown Novelties.

## RIEDEL & MEYER, Inc. Wholesale Commission

READY FOR BUSINESS

49 WEST 28th ST. NEW YORK.

started the business off right as nothing but clean-up sales have been reported since the first of January. Prices have kept up to almost holiday range. The crop of roses at present is not over-abundant and advance or-

## GUTTMAN & RAYNOR, Inc.

A. J. GUTTMAN, President.

## Wholesale Florists

101 W. 28th St., NEW YORK

We have 20 years' experience behind us.  
Telephone, Farragut 2036-2037-558.

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Telephone, 2287 Farragut.  
Consignments Solicited.

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122 West 25th St., New York

## Florists' Supplies

We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Decorative Glassware, Growers and  
Florists' Requisites

## UNITED CUT FLOWER CO., INC.

Flowers Sold on Commission

Consignments of  
Good Stock Solicited

PERCY W. RICHTER, Mgr., NEW YORK  
111 W. 28th Street

ders use them up almost every day. The same may be said of carnations, which have been short of the demand for the past six weeks. All the other flowers in this market share in the

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	Per 100
BEGONIA LORRAINE, 2½ in.	\$12.00
3 in.	20.00
4 in.	35.00
5 in.	50.00
BEGONIA CINCINNATI, 2½ in.	15.00
3 in.	25.00
3½ in.	30.00
4½ in.	40.00

JULIUS ROEHRS CO., Rutherford, N. J.

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Folding cut flower boxes, the best made.  
Write for list, HOLTON & HUNKEL CO.,  
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BOX TREES—Standards, Pyramids and Bush. In various sizes. Price List on demand. JULIUS ROEHRS CO., Rutherford, N. J.

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R. & J. Farquhar & Co., Boston, Mass.  
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Chan. Schwake & Co., New York City.  
Horticultural Importers and Exporters.  
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A. Henderson & Co., Chicago, Ill.  
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Burnett Bros., 98 Chambers St., New York.  
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Henry F. Mitchell Co., Philadelphia, Pa.  
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Joseph Breck & Sons Corp., Boston, Mass.  
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Fottler, Flske, Rawson Co., Boston, Mass.

W. E. Marshall & Co., New York City.  
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C. KEUR & SONS, HILLEGOM, Holland  
Bulbs of all descriptions. Write for prices.  
NEW YORK Branch, 8-10 Bridge St.

## CANNAS

Newest list of the newest Cannas just out. Complete assortment of the finest sorts, at remarkable rates.  
Send for list today.  
THE CONARD & JONES CO.  
West Grove, Pa.

## CARNATIONS.

Wood Bros., Fishkill, N. Y.  
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F. Dorner & Sons Co., Lafayette, Ind.  
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Littlefield & Wyman, North Abington, Mass.  
New Pink Carnation, Miss Theo.  
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E. G. Hill Co., Richmond, Ind.  
New Carnations, All Colors

## CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Philabury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post paid. I. L. PILSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

## CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.  
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Elmer D. Smith, Adrian, Mich.  
New Chrysanthemum Catalogue for 1916.  
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## COLEUS

Coleus, Golden Bedder, Verschaffeltii, Queen Victoria, Firebrand and all leading varieties, including the Pink and Yellow Trailing Queen, cash, strong well rooted cuttings, 50c. per 100, \$4.00 per 1000. Cash with order, and satisfaction guaranteed. Send for list. Largest grower of coleus in the U. S. A. NAHLIK, 261-75 Lawrence St., Flushing, N. Y.

## DAHLIAS

R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.  
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Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens. J. L. MOORE, Prop, Northboro, Mass.

## NEW PAEONY DAHLIA

John Wannamaker, Newent, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

## DECORATIVE PLANTS

Robert Craig Co., Philadelphia, Pa.  
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Woodrow & Markatos, New York City.  
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Boblink & Atkins, Rutherford, N. J.  
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Thomas Roland, Nahant, Mass.  
High Grade Plants for Retail Florists.  
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A. M. Davenport, Watertown, Mass.  
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## DRACENIAS

Julius Roehrs Co., Rutherford, N. J.  
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Dracena Indivisa, 3 in. potted, 3c.; 4 in. potted, 6c., well established. Cash please. B. C. BLAKE, R. D. 4, Springfield, Ohio.

## FERNS

John Scott, Brooklyn, N. Y.  
The Home of the Scottii Fern.  
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H. H. Barrows & Son, Whitman, Mass.  
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A. M. Davenport, Watertown, Mass.  
Boston and Whitman Ferns.  
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Roman J. Irwin, New York City.  
Boston and Whitman Ferns.

Ferns from 2 in. pots, immediate delivery: Boston, 3c.; Roosevelt, 4c.; Teddy, Jr., 5c.; 4 in. Boston, 12c.; 4 in. Teddy, Jr., 15c., extra heavy. Cash please. B. C. BLAKE, R. D. 4, Springfield, Ohio.

## FERTILIZERS

Stampp & Walter Co., New York City  
Scotch Soot.

Pulverized Manure Co., Chicago, Ill.  
Wizard Brand Cattle Manure.

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**FLORISTS' LETTERS**

Boston Florist Letter Co., Boston, Mass.  
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**FLORISTS' SUPPLIES**

N. F. McCarthy & Co., Boston, Mass.  
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Reed & Keller, New York City.  
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S. S. Pennock-Meehan Co., Philadelphia, Pa.  
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H. Bayersdorfer & Co., Philadelphia, Pa.  
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Welch Bros. Co., Boston, Mass.  
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**FLOWER POTS**

W. H. Ernest, Washington, D. C.  
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**FUCHSIAS**

R. Vincent, Jr. & Sons Co., White Marsh, Md.  
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**FUNGICIDES**

Benj. Hammond, Beacon, N. Y.  
Copper Solution.  
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Aphine Mfg. Co., Madison, N. J.  
Fungine.  
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**GARDEN TOOLS**

B. G. Pratt Co., New York City.

**GERANIUMS**

R. Vincent, Jr., & Sons Co.  
White Marsh, Md.  
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Geraniums—Ricard, Doyle, Nutt, Poltevine and Chevalier, from 2½-inch pots, immediate or later delivery, \$20.00 per 1000. Rooted Cuttings, \$15.00 per 1000. Cash with order. WM. F. KOENIG, 566 Hamilton Ave., West New York, N. J.

Geraniums—rooted in Silica rock sand. Show a better color and grow better. Let me have your order for Nutt, Ricard, Poltevine and La Favorite, \$12.50 per 1000. Cash. JAMES MOSS, Johnsville, Pa.

Geraniums—S. A. Nutt, Grant, large well rooted top cuttings, \$10.00 per 1000. Cash. ROSS BROTHERS, Dubois, Pa.

**GLADIOLI**

John Lewis Childs, Flowerfield, L. I., N. Y.  
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A. Henderson & Co., Chicago, Ill.  
Forcing Gladioli.  
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America bulbs for forcing, 1½ in. up, \$6.00. Selected, \$8.00. Blooming size, \$4.00; 250 for \$1.00. Special price on large order. Write for 1916 Surplus List. BROOKLAND GARDENS, Woburn, Mass.

**GLASS**

Sharp, Partridge & Co., Chicago  
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Parshelsky Bros., Inc., Brooklyn, N. Y.  
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Royal Glass Works, New York City.  
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Greenhouse glass, lowest prices. JOHNSTON GLASS CO., Hartford City, Ind.

**GLAZING POINTS**

H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.  
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**GREENHOUSE BUILDING MATERIAL**

King Construction Co., N. Tonawanda, N. Y.  
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Parshelsky Bros., Inc., Brooklyn, N. Y.  
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A. T. Stearns Lumber Co., Neponset, Boston.

**Pecky Cypress.**

Lord & Burnham Co., New York City.  
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**GREENHOUSE CONSTRUCTION**

King Construction Co., N. Tonawanda, N. Y.  
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Foley Greenhouse Mfg. Co., Chicago, Ill.  
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Hitchings & Co., New York City.

A. T. Stearns Lumber Co., Boston, Mass.

Lord & Burnham Co., New York City.  
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**GUTTERS**

King Construction Co., N. Tonawanda, N. Y.  
King Channel Gutter.  
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**HAIL INSURANCE**

Florists' Hail Asso. of America.  
J. G. Esler, Saddle River, N. J.  
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**HARDY FERNS AND GREEN GOODS**

Michigan Cut Flower Exchange, Detroit, Mich.  
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The Kervan Co., New York.

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**HARDY PERENNIALS**

Bay State Nurseries, No. Abington, Mass.  
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P. Ouwerkerk, Hoboken, N. J.  
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Palisades Nurseries, Sparkill, N. Y.  
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Evergreens and Hardy Perennials.  
Old Town Nurseries, South Natick, Mass.

**HEATING APPARATUS**

Kroeschell Bros. Co., Chicago  
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Lord & Burnham Co., New York City.  
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**HOT BED SASH.**

A. T. Stearns Lumber Co., Neponset, Mass.

Parshelsky Bros., Inc., Brooklyn, N. Y.  
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Standard hotbed sash, 1½ in. thick, with crossbar, 80c. each; lots of 25 and over, 75c. each. Blind tenons; white leaded in joints. The life of a sash depends on this construction. We GUARANTEE our sash to be satisfactory or refund your money. Glass, 6 x 8, 8 x 10, 10 x 12, or 10 x 14, \$1.50 per box of 50 sq. ft. C. N. ROBINSON & BRO., Dept. 29, Baltimore, Md.

Lord & Burnham Co., New York City.  
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Foley Greenhouse Construction Co., Chicago, Ill.  
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**HOSE**

H. A. Dreer, Philadelphia, Pa.  
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**HYACINTHS**

5000 Hyacinths—No. 1, No. 2 and Minia-  
ture in La Innocence, Gertrude Grand  
Maitre, King of Blues, Jaynes; No. 1, \$32.00  
per 1000; No. 2, \$20.00 per 1000; Miniatures,  
\$14.00 per 1000. 3 in. Sprenger, 3c. Mum  
stock plants, 15 varieties, 50c. per doz.;  
\$3.00 per 100, or will exchange any of these  
for Vincus Var., Geraniums, Ferns or  
what have you? ROSENDALE GREEN-  
HOUSES AND NURSERIES, Schenectady,  
New York.

**INSECTICIDES**

Benjamin Hammond, Beacon, N. Y.  
Hammond's Slug Shot—Grape Dust.  
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Aphine Manufacturing Co., Madison, N. J.  
Aphine.  
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Nicotine Mfg. Co., St. Louis, Mo.  
Aphis Punk and Nikoteen.  
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**IRRIGATION EQUIPMENT**

Skinner Irrigation Co., Brookline, Mass.  
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**KENTIAS**

Henry A. Dreer, Philadelphia, Pa.  
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**LILY BULBS**

Chas. Schwake & Co., New York City.  
Horticultural Importers and Exporters  
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R. M. Ward & Co., New York, N. Y.  
Japanese Lily Bulbs of Superior Quality

Joseph Breck & Sons Corp., Boston, Mass.  
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**LILY OF THE VALLEY PIPS**

Chas. Schwake & Co., Inc., New York City  
Hohmann's Famous Lily of the Valley Pips  
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Loechner & Co., New York City.  
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Dietrich Heydemann, New York City.  
Cold Storage.  
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J. M. Thorburn & Co., New York City.  
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McHutchison & Co., New York City.  
Berlin Valley Pips.  
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Stumpp & Walter Co., New York City.  
Superior Retarded Lily of the Valley.

Fottler, Fiske, Rawson Co., Boston, Mass.

**MANETTI STOCKS—ENGLISH**

McHutchison & Co., New York City.  
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**MASTICA**

F. O. Pierce Co., New York City.  
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**NATIONAL NURSERYMAN**

National Nurseryman Publishing Co., Inc.,  
Rochester, N. Y.  
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**NIKOTEEN**

Nicotine Mfg. Co., St. Louis, Mo.  
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**NIKOTIANA**

Aphine Mfg. Co., Madison, N. J.  
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**In writing to Advertisers kindly mention Horticulture**

**NURSERY STOCK**

P. Ouwerkerk, Weehawken Heights, N. J.  
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W. & T. Smith Co., Geneva, N. Y.  
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The D. H. Nursery Co., Dundee, Ill.  
Hills & Evergreens  
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Hardy, Northern Grown Stock  
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Robbink & Atkins, Rutherford, N. J.  
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August Rolker & Sons, New York City  
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**NUT GROWING**

The Nut Grower, Waycross, Ga.  
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**ONION SETS**

Leonard Seed Co., Chicago, Ill.  
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**ORCHID FLOWERS**

Jas. McManus, New York, N. Y.  
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**ORCHID PLANTS**

Julius Roehrs Co., Rutherford, N. J.  
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Lager & Hurrell, Summit, N. J.  
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**PANDANUS VEITCHI**

Julius Roehrs Co., Rutherford, N. J.  
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**PANSY PLANTS**

Pansies, the big giant flowering kind, \$2.00 per 1000; in bud and bloom, \$5.00 and \$15.00 per 1000. Cash. If I could only show the nice plants, hundreds of testimonials and repeat orders I would be flooded with new business. JAMES MOSS, Johnsville, Pa.

**PANSY SEED**

Chas. Frost, Kenilworth, N. J.  
Kenilworth Giant

**PEONIES**

Peonies. The world's greatest collection. 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

**PECKY CYPRESS BENCHES**

A. T. Stearns Lumber Co., Boston, Mass.

**PELARGONIUMS**

Roman J. Irwin, New York City.  
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**PIPE AND FITTINGS**

Kroeschell Bros. Co., Chicago.  
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King Construction Company,  
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Shelf Brackets and Pipe Hangers.  
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August Rolker & Sons, New York City.  
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McHutchison & Co., New York City.  
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**PLANT TRELLISES AND STAKES**

Seele's Ties Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

**PLANT TUBS**

H. A. Dreer, Philadelphia, Pa.  
"Riverton Special"

**RAFFIA**

McHutchison & Co., New York, N. Y.  
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**RHODODENDRONS**

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A. N. Pierson, Inc., Cromwell, Conn.  
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Waban Rose Conservatories, Natick, Mass.  
New Rose Mrs. Bayard Thayer.

THE CONARD & JONES COMPANY,  
Rose Specialists  
West Grove, Pa. Send for offers

**SCALECIDE**

B. G. Pratt Co., New York City.

**SEASONABLE PLANT STOCK**

R. Vincent, Jr. & Sons Co., White Marsh Md.  
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**SEED GROWERS**

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**SEEDS**

Carter's Tested Seeds,  
Seeds with a Pedigree.  
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Verbena Seeds.  
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Fottler, Flake, Rawson Co., Boston, Mass.  
Seeds for the Florist

Leonard Seed Co., Chicago, Ill.  
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**SKINNER IRRIGATION SYSTEM**

Skinner Irrigation Co., Brookline, Mass.  
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**SOOT**

Stump & Walter Co., New York City.

**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGIM & HURRELL, Summit, N. J.

**SPRAYING MATERIALS**

B. G. Pratt Co., New York City.

**STANDARD THERMOMETERS**

Standard Thermo Co., Boston, Mass.  
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**STOVE PLANTS**

Orchids—Largest stock in the country—Stove plants and Crotons, finest collection. JULIUS ROEHRS CO., Rutherford, N. J.

**SWEET PEA SEED**

Ant. C. Zvolanek, Lompoc, Calif.  
Gold Medal of Honor Winter Orchid Sweet Peas.  
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The John A. Evans Co., Richmond, Ind.  
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WILLIAM E. HEILSCHER'S WIRE WORKS, 264 Randolph St., Detroit, Mich.

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and St. Paul Sts.  
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31 Otis St.  
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York City.  
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Ludlow St.  
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1625 Raustead St., Philadelphia, Pa.  
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N. W.  
For page see List of Advertisers.**New Offers In This Issue****CATTLEYAS.**S. S. Pennock-Meehan Co., Philadelphia, Pa.  
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RECEPTACLES, ETC.**H. Bayersdorfer & Co., Philadelphia, Pa.  
For page see List of Advertisers.**THE NUT-GROWER**The unique monthly publica-  
tion which furnishes reliable  
and interesting up-to-date in-  
formation regarding the value  
of pecans and other edible nuts  
and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

**THE NUT-GROWER**

No. 2 Francis St.

WAYCROSS, GA.

**WANTS, FOR SALE, ETC.**Advertisements in this column  
one cent a word. Initials count as  
as words. Cash with order. All  
correspondence addressed "Care  
HORTICULTURE" should be sent  
147 Summer St., Boston.**FOR SALE**FOR SALE—Fresh from factory, new;  
10 x 12, 16 x 18, 18 x 24, double thick. A  
and B qualities. Market dropped. Now is  
the time to buy and save money.  
PARSHESKY BROS., INC., 215-217  
Havemeyer St., Brooklyn, N. Y.**SITUATIONS WANTED**SITUATION WANTED. By gardener  
single. Fourteen years' experience in  
greenhouse and outdoor gardening; can  
furnish best of references. Address F. D.,  
care of HORTICULTURE.**MISCELLANEOUS**WANTED To Buy Second-Hand Green-  
house, near Boston; must be in good con-  
dition, 13 to 15 ft. wide and 24 to 36 feet  
long. We do the moving. State details  
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Cyclopedia of Horticulture**Six large quarto volumes.  
More than 3,600 pages. 24  
exquisite full-page color  
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ly; it supersedes and displaces all  
previous editions or reprints of ev-  
ery kind whatsoever. It is both  
an Encyclopedia and a Manual, for  
with the aid of its Synopsis and  
Key, amateur and professional  
alike may quickly identify any  
plant, shrub or fruit contained  
within the set, and then receive ex-  
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Price \$6.00 per volume. Three vol-  
umes have now been issued and  
the others will follow in succes-  
sion. Order from

HORTICULTURE PUBLISHING CO.

147 Summer Street, Boston, Mass.

**In writing to Advertisers kindly mention Horticulture**

## During Recess

Tarrytown Horticultural Society.

The nineteenth annual dinner of the Tarrytown N. Y. Horticultural Society was held in the Tarrytown Inn, Tuesday evening, January 11, and it was in every way equal to the former annual dinners of this well known and popular society. The dining room was beautifully decorated and tables looked very inviting. Proprietor Parke served an excellent dinner and above all he gave excellent service. The members of the society and the guests were welcomed by President Featherstone, who caused much laughter when he said that his position was not an enviable one as he had three clergymen on his right and an undertaker on his left, while he himself represented the cemetery. All that was needed to complete the scene was a doctor. President Featherstone welcomed the members and then introduced Charles Vanderbilt, the toastmaster.

President Frank R. Pierson was first called upon and he supplemented the welcome of President Featherstone and then spoke of the society. He said that it was a credit to the community, that he had seen many flower shows last year, but none better than right here at home. For quality, finish and general arrangement there was nothing to compare with it.

The Rev. J. J. Henry followed and Mr. Vanderbilt announced his subject as "Manhood." Pastor Henry said that he knew of no body of men who should be more in love with God than Horticulturists. He said that there could be no agnostics among them, for they delve into the earth and they bring forth beautiful flowers and they know that God's law must be back of it all.

Dr. Carroll Dunham of Irvington, was the next speaker. His purity of English, his choice of words in expressing horticultural terms and the treatment of his subject, were a delight to his audience. He said that the test of the success of a plant was not in its rarity, shyness or refusal to be happy, but rather in what it does. Dr. Dunham then told of his experiments with plants from the western coast, and also from Japan and Asia. He said that he had greater success with plants from eastern Asia.

Other speakers were W. R. Bull of Port Chester, Judge Young, Supervisor Willard, Comptroller Patten and Rev. Lucas Boeve. Corporation Counsel Davison, also had a few words to say.

"Auld Lang Syne" was sung at 11.30 and all voted it one of the most enjoyable affairs the society has ever held.

New York and New Jersey Association of Plant Growers.

The eighth annual banquet of the New York and New Jersey Association of Plant Growers will be held in the Hotel McAlpin on February 23rd, 1916, at 7 P. M. Tickets are \$5.00 per

person. There will be an abundance to eat, drink and smoke. Good music will be provided and the tables will be so arranged that those desiring to do so, can smoke during the dinner and thereafter to their hearts' content. Those desiring tickets should apply at once to the secretary, William H. Siebrecht, Jr., Queens Plaza Court, Long Island City, N. Y.

The annual meeting of the Association was held on January 4th, at which time new officers were elected, as follows: President, John H. Flesser; vice-president, Alfred L. Zeller; treasurer, Herman C. Steinhoff; secretary, William H. Siebrecht, Jr.

The next meeting of the Association will be held at the Hotel McAlpin on Tuesday afternoon, Feb. 1st, 1916.

W. H. SIEBRECHT, JR.,  
Secretary.

### Morris County Gardeners' and Florists' Club.

The Morris County Gardeners' and Florists' Society will hold its twentieth annual dinner in Piper's Hotel, Morristown, N. J., on the 27th of this month, (Thursday) 6.30 P. M. All preparations are being made for an enjoyable time. Wm. H. Duckham, Arthur Herrington, and Chas. H. Totty are the committee which insures that nothing will be lacking in its make up.

ED. REAGAN, Sec'y.

### Boston Florists' Bowling League, Jan. 6, 1916.

Gilvin	127	Carbone	124
Flower, J. A.	127	Pearson	124
Flower, M. J.	125	M & M	120
Robinson	121	Zinn	120

#### STANDING.

	W.	L.		W.	L.
Gilvin	37	7	Pansies	19	26
Flower	33	11	Flower Box	16	28
Carbone	27	17	Robinson	16	28
Zinn	18	26	M & M	10	34

High Single String - V. Hartford, 100

### CATALOGUES RECEIVED.

E. E. Stewart, Brooklyn, Mich.  
Wholesale Price List of Gladioli.

Nungesser-Dickinson Seed Co., Hoboken, N. J.—Wholesale Price-List of Grass and Clover Seeds.

F. H. DeWitt & Company, Wooster, O.—Catalogue and price list of Pelargoniums. Printed on fine paper and illustrates some splendid novelties.

Stark Bros., Louisiana, Mo., Fruit Catalogue, announcing the 100th year of this firm's existence. Apples and other fruits in natural colors are well illustrated.

S. M. Isbell & Co., Jackson, Mich.—Seed Annual for 1916. Devoted largely to vegetable garden and field seeds of which a full variety are listed with profuse illustrations. Covers in brilliant dress.

Good & Reese Company, Springfield, Ohio—Spring Trade List—1916. For Florists, Nurserymen and Dealers Only. The rose lists in this catalogue are very extensive. Gladioli and other specialties are also covered.

Arthur Cowee, Meadowvale Farms, Berlin, N. Y.—"The Glory of the Garden." A descriptive Illustrated Treatise on the Modern Gladiolus as select-

ed and grown at this well known place, including a list of the "cream" of the world's very best varieties.

Conard & Jones Co., West Grove, Pa.—1916 Floral Guide. A publication that will be the basis for many gardening day dreams between now and rose-planting time. Cannas, too, are presented in tempting array. Covers in colors, well-designed and very effective.

W. Atlee Burpee & Co., Philadelphia, Pa.—1916 Wholesale Catalog of "Seeds That Grow," for Seedsmen and Dealers only who buy to sell again. This is a standard publication well appreciated by the retail seed stores who handle the Burpee seeds in sealed packets. Known for years as the "red list."

L. Merton Gage, Sunnyside Gladiolus Gardens, Natick, Mass.—Price List for 1916. The genial ex-secretary of the American Gladiolus Society "knows" gladioli and his catalogue is just what we should expect—a discriminating selection of the finest varieties extant in the different classes, to the exclusion of the vast mass of mediocre or superseded sorts.

J. Bolgiano & Son, Baltimore, Md.—1916 General Catalogue. This must be pretty close to this firm's 100th catalogue as the house was founded in 1818. The title page is devoted to an illustration of a field of the John Baer tomato in colors. "Long Lost" lettuce has the back cover, in a gorgeous oriental setting. The book is finely illustrated and well printed.

R. & J. Farquhar & Co., Boston, Mass.—Garden Annual for 1916. This is one of several leading houses that have broken away this year from the customary cover tin colors, and substituted a chaste and dignified exterior of pure white. Inscriptions and illustrations are in dark green, the first cover page showing a field of *Lilium myriophyllum* at the Dedham Nurseries and the back cover displaying some graceful new irises. There are no colored inserts but the pages are profusely illustrated with excellent half-tone cuts, including a number of interesting novelties and specialties. Several pages are devoted to the new plants collected in China by E. H. Wilson, which are now offered for the first time.

### NEWS NOTES.

Worcester, Mass.—Habor Ball, florist, of 167 Russell street, and Miss Martha C. Anderson were married on Saturday night, January 8.

Portland, Me.—Mrs. Sadie Knight Palmer has accepted a position as bookkeeper in the store of E. J. Harmon & Co., florists of Portland.

### HORTICULTURE Publishing Company:

When renewing a few days ago I forgot to ask for a copy of Index to last volume. Please put me on your permanent list for index to each volume, as issued. I have every copy of HORTICULTURE from the first issue, and would as soon think of destroying a very valuable horticultural book as to destroy a volume of HORTICULTURE.

## USED BY FLORISTS OVER 30 YEARS



PAN-PACIFIC PRESS ASSOCIATION, LTD.

San Francisco, Calif.

October 16, 1915.

Mr. Benjamin Hammond, Beacon, N. Y.

Dear Sir: The Horticulture Jury, of which the writer was a member, awarded you a Gold Medal for your Insecticides, and when you take into consideration the fact that that Jury, outside of the writer, was composed of some of the famous experts of the world, you will realize the importance of this award. Verification of this may be obtained from Mr. George A. Dennison, Chief of Horticulture, Panama-Pacific International Exposition.

The writer has been requested to furnish a list of the articles which the Jury endorsed by their action in awarding prizes because of merit. This request comes from representatives of foreign countries and states.

Respectfully yours,

Signed: J. A. BUCHANAN, Gen. Mgr.

Pan-Pacific Press Association.

PANAMA-PACIFIC INTERNATIONAL EXPOSITION

San Francisco, Calif.

Division of Exhibits

Office of the Chief

DEPARTMENT OF HORTICULTURE

November 3, 1915.

Mr. Benjamin Hammond, Beacon, N. Y.

Dear Sir: Replying to your letter of October 28th, I wish to say that the Jury awarded Slug Shot, Grape Dust and Copper Solution a Gold Medal.

Yours very truly,

Signed: G. A. DENNISON,

Chief of Horticulture.

**Sold by the Supply Houses of America**  
**BENJAMIN HAMMOND, BEACON, N. Y.**

## Obituary

Mrs. H. C. Doescher.

Mrs. Doescher, wife of H. C. Doescher, of New Orleans, La., died on January 1 after two days' illness with pneumonia, leaving a three-weeks-old baby.

James H. Lagan.

James H. Lagan, for the past twelve years employed as a florist in Hartford, Conn., died on Saturday, January 1, at St. Francis Hospital in that city, of pneumonia. He was 41 years of age.

Alfred W. Baxter.

Alfred W. Baxter, a florist of Waterloo, Iowa, died suddenly in Brooklyn, N. Y., while visiting some friends at 139 Hoyt street, on Tuesday, January 4. The remains have been sent to Waterloo for services and interment.

Charles W. Smith.

Charles W. Smith, who for thirty-two years served as secretary of the Rhode Island Horticultural Society, died suddenly at the home of his son, in Providence, on January 7, aged 86 years. Mr. Smith was born in Dighton, Mass., in September, 1830. For many years he rendered devoted and invaluable services to the R. I. Horticultural Society's exhibitions and the State Fair exhibits at Narragansett Park.

Clare V. Tierney.

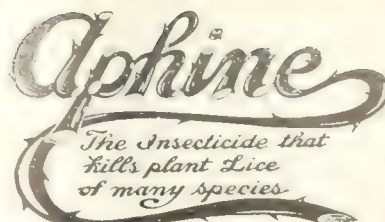
Clare V. Tierney passed away Jan. 3rd at the home of his parents, 4242 Jackson Boul., Chicago, after an illness which began on Christmas eve. He

was one of the newest in the business, having commenced only last Thanksgiving, when he and Edw. Leslie bought the retail flower store of J. Fuely at 4035 Madison street, known as the West End. He showed an aptitude for the business and was doing nicely when he took a cold which developed into pneumonia.

H. F. Halle.

Hagbarth F. Halle passed away at the home of his wife's sister, Mrs. H. N. Bruns, Chicago, Jan. 7th. He had been a retail florist in Chicago for many years and was located at the time of his death at 4753 Broadway. Mr. Halle was born fifty-six years ago in Viborg, Denmark, where he learned the florists' business. He came to this country when a young man and settled at once in Chicago, where he remained till his death. Mr. Halle has not been a strong man for years and his death was not a surprise to those who knew him best. Interment was at Graceland. The business will be discontinued and Mrs. Halle will make her home with Mr. and Mrs. H. N. Bruns.

Washington, D. C.—During the fiscal year of 1915, which ended with June 30, there were but four violations of the plant quarantine law reported to the attorneys of the United States, according to Attorney-General Gregory in his report for the Department of Justice, and from these were collected fines amounting to \$415. There were, however, nine cases that were still pending on July 1 which constituted violations of this law.



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$2.50.

## FUNCINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.

Quart, 75c.; Gallon, \$2.00.

## VERMINE

A soil sterilizer for cut, eel, wire and angle worms.

Quart, \$1.00; Gallon, \$3.00.

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For San Jose and various scale on trees and hardy stock.

Quart, 75c.; Gallon, \$1.50.

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A 12% nicotine solution properly diluted for fumigating or vaporizing.

Quart, \$1.50; Gallon, \$4.50.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

**Aphine Manufacturing Co.**

MADISON, N. J.

GEO. A. BURNISTON  
President

M. C. EBEL  
Treasurer

## Flower Market Reports

(Continued from page 87)

big demand. Everybody is well satisfied.

There was a

WASHINGTON marked change in local flower market

conditions following the conclusion of the holiday season. Business fell off and prices dropped. Stock is very good. American Beauty roses are over-plentiful and their sale is draggy. Richmond roses are in some little demand but at prices about half those which prevailed two weeks ago. The stock is good but stems are droopy. Carnations are in fine shape. There seems to have been a shortage of lily of the valley at nearby points for large orders were sent into Washington for out-of-town shipment. Orchids are more plentiful than they have been.

East Bridgewater, Mass.—Paul Jahn has taken unto himself a wife and is now settled in his new home.



**NIKOTEEN**

For Spraying  
**APHIS PUNK**  
For Fumigating

Ask Your Dealer For It.  
**NICOTINE MFG. CO.**  
ST. LOUIS

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Pot Makers for a  
Century and a Half**HEWS****STRONG  
RED  
POROUS****POTS**

Inc. 1904

World's Largest  
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.  
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue  
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:  
CAMBRIDGE, MASS.  
NEW YORK, N. Y.

For the 1916 list of greenhouses, see the advertisement above, which we insert in this issue. Long Island is planned and erected with the greatest care, as they require all the details that make for the successful operation of the protected plants.

In addition, we have secured for fast work, the most modern and complete equipment for the work, and the particular feature of our service is, that we can supply both at the same time.

We owe our success not only to the efficiency of our methods, but also to the quality of our work.

**WE KNOW WHAT TO DO AND  
WHAT NOT TO DO.**

If you contemplate building a greenhouse, write us. We will send you a list of our work.

**S. JACOBS & SONS**

Greenhouse Builders

1365-1379 Flushing Ave.,  
Brooklyn, N. Y.

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

**STANDARD FLOWER  
POTS**

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

**W. H. ERNEST**

28th &amp; M Sts., Washington, D. C.

GREENHOUSES BUILDING OR CON-  
TEMPLATED.Whippany, N. J.—Charles Voelker,  
range of housesKansas City, Mo.—A. F. Barbe,  
range of housesRed Bank, N. J.—O. Hallenbake,  
River St., house 19x28Boston, Mass.—H. F. Borowsky,  
West Roxbury, one houseHudson Falls, N. Y.—Samuel E. Ha-  
gen, the Willow St. florist, house 25x28  
on Schuyler St.

F. J. Elder, Lord & Burnham Com-  
pany's Boston representative, reports  
the following greenhouses building or  
ordered:

W. E. Norcross, Worcester, Mass.,  
commercial, iron-frame; A. Magnuson,  
Manchester, Mass., commercial, pipe-  
frame; Osborne Howes, Brookline,  
Mass., private, iron-frame, two com-  
partments; C. R. Storey, Brockton,  
Mass., small iron-frame conservatory;  
Walter P. Frye, Marlboro, Mass., palm  
house and wing; M. L. Whitcomb, Ha-  
verhill, Mass., private, iron-frame,  
three compartments; R. T. Crane, Jr.,  
Ipswich, Mass., large private, iron-  
frame, six compartments.

Mr. Elder states that business is  
improving rapidly, that the number of  
private and commercial inquiries are  
on the increase, and that the increase  
of commercial prospects is undoubtedly  
due to growers' desires to have  
their orders in early on account of in-  
creasing cost of materials.

TRADE

**SKINNER  
SYSTEM**  
OF IRRIGATION.

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Florists ask for information re-  
garding our New Greenhouse  
Nozzle. Greater spread, which  
means less pipe.

**THE SKINNER IRRIGATION COMPANY**

33 Station St.

Brookline, Mass.

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Florist Specialties.  
New Brand. New Style.  
Hose "RIVERTON"  
Furnished in lengths up  
to 500 ft. without seam or joint.

The HOSE for the FLORIST  
3/4-inch, per ft., 15 c.  
Reel of 500 ft., " 14 1/2 c.  
2 Reels, 1000 ft., " 14 c.  
3/4-inch, " 13 c.  
Reels, 500 ft., " 12 1/2 c.

Couplings furnished  
HENRY A. DREER,  
714 Chestnut St.,  
PHILADELPHIA, PA.

**GLASS**Greenhouse Material  
Hot Bed Sashes

Our prices can be had by mail, and  
it will pay you to get them. We carry  
the largest stock of Specially Selected  
Glass in Greater New York and can  
supply any quantity from a box to a  
car load on a one day notice, and at  
Rock Bottom Prices.

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**KING**

The name that assures "the  
most for the money" in

**GREENHOUSES**

Write for Bulletin No. 47  
and you will see why.

**KING CONSTRUCTION CO.**

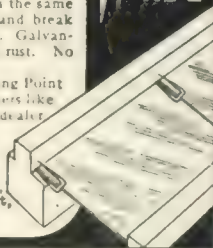
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**Dreer's Peerless  
Glazing Points  
For Greenhouses**

Drive easy and true, because  
both bevels are on the same  
side. Can't twist and break  
the glass in driving. Galvan-  
ized and will not rust. No  
rights or lefts.  
The Peerless Glazing Point  
is patented. No others like  
it. Order from your dealer,  
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1000, 75c postpaid.  
Samples free.

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714 Chestnut Street,  
Philadelphia

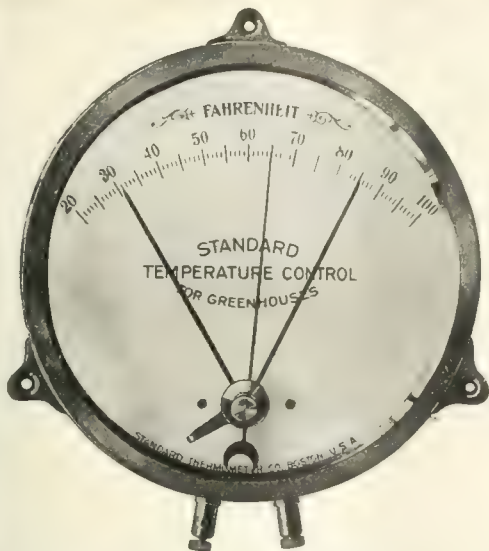
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**No Greenhouse Man** can afford to take the risk of leaving his place unprotected against the possibilities of overheating or frost, when absolute safety against either of these contingencies can be assured by installing the **faithful, sleepless, watchman**, whose portrait appears herewith. All you have to do is to set the hands—one at minimum and the other at maximum temperature limit and the Thermostat will give instant warning if temperature goes above or below.

*All This for \$5.00*

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BOSTON, MASS.



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Let your houses go to pieces. Repairs should be taken care of promptly. We have a very complete line of Greenhouse Fittings that will be of much assistance to you. Something that makes one repair the last one and it is so easy to do with our fittings. Also remember our Sash Operating Device that self locks the sash by the worm and gear in any position.

A catalogue describing all will be sent free on request. Write today.

**ADVANCE COMPANY,** RICHMOND  
INDIANA

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### Iron Frame, Pipe Frame or Wood Frame GREENHOUSES

Estimate and Sketch Submitted Promptly

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3275 West 31st Street, CHICAGO, ILL.

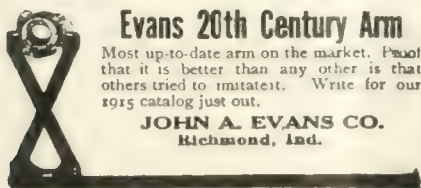
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Are Leaders in

## GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.



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Most up-to-date arm on the market. Proved that it is better than any other is that others tried to imitate. Write for our 1915 catalog just out.

**JOHN A. EVANS CO.**  
Richmond, Ind.

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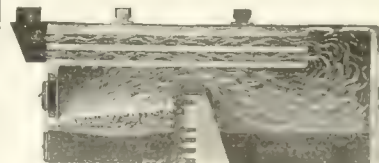
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Double and single thick selected glass all sizes from 6x8 to 16x24. Ten boxes or more at wholesale prices.

### ROYAL GLASS WORKS

120 Wooster Street, NEW YORK CITY



GLIMPSE OF J. H. WEST &amp; SONS' PIPE FRAME HOUSES.

## How West Got Out of the Greenhouse Building Business

ONE day last August I was sitting in the lobby of a Cleveland Hotel, when who should come along but Chauncey West of Irondequoit. Of course, I was jolly glad to see him; everybody is. You just can't help being glad to see a man who wears a rare Sunny Jim smile like West; and always hands out such a hearty hand shake.

West has done considerable greenhouse building of one kind and another (lately it's been all one kind). So I asked him, off-hand like, how he ever came to put his money in Lord & Burnham houses. "Well," he replied, "we started to build your houses because we wanted to get out of the greenhouse building business and get into the growing business."

We figured out that we didn't have time to stop our growing every few years, and rebuild our houses." Then, up he jumped and gave the glad hand to a couple of Ashtabula growers.

But I sat still and thought over what he had said. As near as I could figure it out, J. H. West & Son will be out of the building business anywhere from a quarter to a half century, may be longer.

No one knows yet how long our iron frame houses will last.

If you want to permanently get out of building; and into growing; we are ready to talk with you.

Just say when and where and we will be there.

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**FACTORIES:** Irvington, N. Y., Des Plaines, Ill.  
St. Catharines, Canada.

Vol. XXIII

No. 4

JAN. 22

1916

# HORTICULTURE

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Greenhouses at St. Louis Botanical Garden

Directed by Lord & Burnham Co.

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Published Every Saturday at 147 Summer Street, Boston, Mass.  
Subscription, \$1.00

# The New Rose, Mrs. Bayard Thayer

that we are offering this season, will make a fine addition to a class of large flowered roses which is rapidly coming to the front since we introduced Mrs. Charles Russell of which the new claimant is a sport. The color is a most beautiful clear rose pink, inside of petals a shade lighter. The foliage heavy and smooth and carried on strong stems. It won the American Rose Society medal over a strong class of competitors at the Cleveland Show, scoring 90 points.

## PRICE LIST

Mrs. Bayard Thayer and Dark Russell

	100	250	500	1000	2500	5000	10000
Grafts .....	\$35	\$82.50	\$150	\$300	\$690	\$1250	\$2300
Eyes .....	27	62.50	110	220	490	850	1500

Grafted Plants (only) ready after March 1st, 1916. Eyes ready in January, 1916.

**WABAN ROSE CONSERVATORIES, Natick, Mass.**

## New Carnation, ALICE COOMBS, (Roper)

A slightly deeper shade of pink than GLORIOSA, a lovely color, with large flowers on fine stiff stems; very popular at the flower stores.

Splendid Cuttings, \$12 per 100, \$100 per 1000

Send for our 1916 Trade List

**THE E. G. HILL CO., Richmond, Ind.**

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Field Grown — Fine Stock

Matchless, Enchantress Supreme, \$8.00 per 100; \$70.00 per 1000.

Enchantress, British Triumph, White Wonder, Pink Delight, \$7.00 per 100; \$60.00 per 1000.

Lady Bountiful, Lady Northcliff, White Winsor, Pink Winsor, \$6.00 per 100; \$50.00 per 1000. Special rates on large lots.

**WOOD BROTHERS**  
FISHKILL, N. Y.

## CARNATIONS

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## ENGLISH MANETTI STOCKS

Grafting grade—5/8 m/m—pencil thickness. Case lots, packed 5,000 and 10,000 per case. Write for prices and details.

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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Life*.

## Acacias

As Easter is so late this year acacias intended for that occasion must be kept as cool as possible; anywhere above the freezing point or about 35 to 40 degrees at night will do. During the day give plenty of ventilation. See that they do not dry out at the roots and on all good days give a good syringing overhead. Before the young growths start take off a batch of cuttings and place them in sand in a cool propagating house. The majority will root and if kept growing on, as is easily done, plants equal in quality to any you can buy will be produced. When rooted pot up into 2 or 2½ inch pots using a mixture of loam, fibrous peat and sand in equal parts.

## Dimorphotheca aurantiaca

This is an extremely showy annual from South Africa. It belongs to the daisy family, so will grow where other daisies grow. Now is a good time to sow three or four seeds in a three-inch pot using compost of leaf mold and sand in equal parts in a temperature of 60 degrees. When they come up place where they will have full sun and from 45 to 50 degrees. They do fine when planted out in a bench. The flower is rich golden orange with a black center. It is commonly called the orange daisy and South African daisy. The plants will flower within ten weeks from seed sowing and continue to bloom for several weeks. The flowers close on dark days and at night, but, after being picked thirty-six hours and in a warm room, they will remain open.

## Ferns

Now is a good time to sow spores. Use a porous soil with good drainage. Cover with a glass and keep shaded until growth appears. Keep the soil moist by sinking the pans up to the rim in a tub of water when they need water. Place well up to the glass. When they have made growth enough they should be pricked out in a new compost. A good compost for the little ferns is fresh loam two parts, leaf mold and sandy peat, one part. For 4-inch pots a heavier soil should be used. Ferns do not like to be potted too firm. After potting a reasonable amount of atmospheric humidity should be kept up, but never to the extent to cause dripping moisture on the plants. A temperature as near as possible to

60 degrees with a slight rise through the mid-day hours will do for mixed varieties but, of course, to have them good the treatment as regards temperature, moisture and soil must differ as to varieties.

## Grevillea robusta

Now is a good time to sow some seed of this very useful plant. Sow in a little bottom heat and they will germinate quickly. They can be placed in a temperature of about 60 degrees at night. Keep shaded and moist until they begin to show, when they should be given full sun. When large enough they should be potted into 2 or 2½-inch pots. When established they will grow fast enough in a temperature of 55 degrees at night. When large enough they can be shifted into 3 or 4-inch pots. *Grevillea robusta* or "Silk Oak" is a most useful plant for the retail grower to have.

## Maurandias and Thunbergias

When the spring time comes we florists often find ourselves short for trailing plants to fill baskets, vases, window boxes, etc. Now is the time to give these attention so as to be well supplied when spring arrives. The trailing lobelias, maurandia and thunbergia are all beautiful when well grown and should be found at every retail grower's establishment. The maurandia and thunbergia should be sown at once. Only fresh seed of the latter is of any account, and no bottom heat nor other encouragement will make old seed germinate. Seedlings of either want a warm house and when they are allowed to become stunted in a cold house, you have a hard time to get them into shape again. A house where the temperature stands at about 60 degrees at night will grow them along all right. They should be sown in pans in a mixture of equal parts of soil, leaf mold and sand. Keep shaded until they show signs of coming up when they should have full light.

## Feverfew for Memorial Day

Now is a good time to put in some cuttings of the double feverfew. They will root fine in a moderately warm propagating bed. When rooted they can be potted into 3-inch pots and as these pots become well filled with roots they can be planted in a bench where the temperature does not run higher than 48 degrees at night.

Next Week:—Carnation Cuttings; Chrysanthemums; Odontoglossums; Preparations for Easter; Stock Left Over; Solanum Cuttings.

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 An old  
friend gone

We are sorry to learn that the *Journal of Horticulture* of London, England, has been obliged to cease publication. For many years we have read it with interest and profit. The *Journal of Horticulture* was established in 1848 with George W. Johnson, author of *The Gardeners' Almanac* and *Modern Gardeners' Dictionary* as editor, under the title of "*The Cottage Gardener*." In 1855 Robert Hogg became joint editor. In 1861 the title was changed to "*Journal of Horticulture, Cottage Gardener and Country Gentleman*" and in 1881 Dr. Hogg became sole editor. The present editor is Horace

J. Wright. The career of the *Journal* has been one of unbroken firmness to date, and it is greatly to be regretted that the cause of horticulture must lose as faithful a champion. The suspension, we are told, is "*for the duration of the war*." We hope this year (1916 and that in due time we may have the pleasure of greeting our contemporary once more.

 A  
wholesome  
influence

These annual banquets are now rare. Nevertheless they always are and, whether with formal or informal arrangement, in our opinion, they take a very useful place in the life of the florist, the gardener and their friends. Old friendships are there rejuvenated and new ones created. The better, smaller side of one's disposition is brought out at these gatherings as nowhere else, the little weeds of personal prejudice and antagonism which have sprouted and begun to take root in the garden of fraternal good will are all easily plucked out and eradicated in the benignant atmosphere of the banquet hall. In these brief intermissions of refreshment between the long and wearisome periods of labor one imbues hopeful inspiration for the work of the coming days, and a fresh zeal for the problems that continually beset the life of the business man is engendered when we sit shoulder to shoulder and face to face around the flower laden tables and listen to words of wit, wisdom and experience from our fellow workers. So don't miss the banquet. It has a glory all its own.

 An im-  
portant event  
for May

The announcement by the secretary of the Massachusetts Horticultural Society, which appears on another page of this paper, should prove interesting reading and excite enthusiasm among ambitious plant and flower growers. It will be recalled that, in deference to the plans being made for a great National Spring Flower Show in Philadelphia at the end of March, this year, the trustees of the Massachusetts Horticultural Society decided to somewhat minimize the importance of their customary Boston Spring Exhibition in March and to concentrate effort and attention on a May display. A perusal of the list of special premiums offered for this event by eminent local patrons of horticulture will give some idea of its unique importance and the progressive lines on which it will be carried out. The innovation will attract unusual attention on account of the date and other distinctive aspects of this show. Not least among the commendable features of the undertaking is the liberal spirit shown in arranging the Society's spring activities so that they would conflict as little as possible with the coming National Flower Show.

 Folly  
unrestrained

The murder of an estimable young lady, daughter of a prominent flower grower, by a young man, jealousy-crazed, as related in our news notes this week, is an event full of pathos and awful realism. No family, under present social conditions is immune from the possibility of such a tragedy as there recorded. In many sections of this country, laws, sometimes well-intended but often oppressive in their enforcement, make it illegal if not impossible for one to obtain, except with an original physician's prescription, a few ounces of brandy or a few drops of paregoric to relieve a suffering member of his household. Yet, in most communities, there is practically no restriction against the sale of fire arms and ammunition and nothing to prevent a frenzied, irresponsible, half-fledged boy from buying deadly weapons

## ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur Ruzicka*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

### The Zero Weather

With the thermometer down to ten all day, and down to nearly or below zero at night the boilers will be called on to put in their real work of the season and the whole heating system will be put to a test. If there are no pipe clamps, wooden plugs large enough to plug up the different mains should this be necessary in case of a break, see that these are ordered at once and kept on hand. An extra grate or two will also come handy should one break on a very cold night. See that all slipped glass is pushed up, and securely tacked. It is too late to wish that it was done last summer but should serve as a good lesson for the coming summer. It may be too cold to work on the roof of the houses but a long stick can be used to push the slipped glass back into place where it will stay until the next windstorm, when it will slip again no doubt, but it will be better than having the cold wind blowing in on a zero night. See that the coal bins are kept full. If the supply runs low during a severe blizzard it is no fun for anyone to look around for wood, especially as it is carelessness on someone's part not ordering the coal on time. If there are any places where the water mains are exposed to the weather see that these are covered with manure or straw. These mains may not be exposed altogether but may not be very deep in the ground. The cost of covering this ground is little compared to what it would cost should the cold weather continue and the ground freeze deep, freezing the water mains with it.

### Watering

With plenty of artificial heat under the benches these are apt to dry out faster than is customary, and often from the bottom up, so it will be well to look over the benches daily and note the condition of the soil all the way down. If this is inclined to be dry at all a good watering will be necessary, as the warm dry soil will damage the roots a good deal and may result in a severe check to the plants. Beauties will be the very first to feel this and if it happens too often they will go completely blind. Where the water comes out of an elevated tank outside, which as a rule is full of ice, it will be too cold to use on the plants, although many growers use it. We find it best to run the water main right with the heating mains and this will take enough of the chill off to make the water better for the plants. The colder the weather the warmer will the mains be, and will thus heat the water all the more. When the weather is warmer the mains will be cooler but then the water will not be so cold.

### Repotting the Young Stock

Plants that were potted along the middle of December will soon be in need of larger quarters in order to keep on growing all the time. For this work soil of a richer mixture can be used, not so much in fertilizers as in plenty of well decayed manure. A little more bone-meal can be added to this soil than what was added for the first potting and if it can be had, a least touch of soot. The amount of this should not be excessive as it is very strong and would on coming into contact with the bonemeal liberate a good deal of ammonia which the bone contains, and this would be apt to make the plants sick for a while. The pots for the second potting should be three-inch if the space for the plants is limited. If there is plenty of room, potting directly into three-and-a-half inch or fours will be best as there will be no further work with the plants outside of scraping and resetting them as they grow. Have the pots clean and well crocked. A little charcoal added to the crock will help keep the soil sweet but of late we have used only a little coal ashes, screened to remove the real coarse cinders. Make sure that the plants are potted deep enough for the old ball should never stick out of the soil in the new pot. It is also necessary to see that the plants are wet enough before they are repotted as it would be difficult to water them properly after they are in the larger pots, as the water would drain through the new soil and the old ball would remain dry. Any poor plants should be either thrown away or set aside to be given another chance if the variety is a valuable one. With plenty of wood and cuttings, however, it is best to discard all poor cuttings first and then again discard all poor plants on the second potting. Make sure that the pots are not filled too much with soil. The nature of your soil will have to determine just how much space should be left at the top for water. To make watering easy this space should be deep enough so that when filled with water the amount it will hold will saturate all the soil in the pot very nicely. This will make watering easy and eliminate all guess work as a grower will know just how wet his plants are after watering. Then too, with foreign help watering, at times it is difficult to make a man understand just how much water is necessary but it is simple to tell him to fill all the pots up full. In watering, the outside rows should always receive a watering first and then the whole bench had better be watered evenly all over. This will insure the outside rows being as wet as the rows further in.

on the rash impulse of a disordered mind with the full intent to commit murder and perhaps suicide. The case in point was not one where it could be charged up to "rum" or "drugs" or any other of the stereotyped causes of moral delinquency. There are many more

cases of a similar character of daily occurrence the difference here being only that this tragedy concerns a member of our craft and so comes directly home to us with startling effect. It should not be so easy for such things to occur.



# THE MacNIFF HORTICULTURAL COMPANY

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We are in a position to handle consignments of any size, large or small.  
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of orchid plants in variety. He also reported additional prizes amounting to \$300.00 as coming through Mr. M. C. Wright. Secretary Young reported the donation of \$100.00 from the Alphanu Humus Company as a special prize.

The great interest shown already by the Philadelphia people in the Show is most gratifying, and augurs well for a splendid success.

## AMERICAN ROSE SOCIETY.

The Executive Committee meeting of the American Rose Society was held in New York City on January 10, at which time the proof of the Annual for 1915 was carefully gone over; same is to be illustrated in colors and to go to every member of the Rose Society. The prizes agreed upon for a display rose garden at the coming exhibition in Philadelphia are—\$500 for the 1st prize, \$300 for the 2nd prize and \$200 for the 3rd prize. Forty-one special prizes have been offered for rose prizes beside the regular schedule.

A motion will be brought before the annual meeting as to what action is best to take in regard to renaming all roses carrying established names, and the committee upon the standard length of rose stems for commercial sale will also report at the approaching annual meeting. The next meeting of the Executive Committee will be held February 1st in Philadelphia to go into the details of preparation for the annual show.

Special prizes offered for the Philadelphia Show, March 25 to April 2, 1916. Special prize for "Rose Garden," etc.

Hon. Philip Brietmeyer, Detroit, Mich., \$200; Emil Buettner, Park Ridge, Ill., \$25; H. G. Benning, 1402 Pine street, St. Louis, Mo., \$25; George Burton, Chestnut Hill, Philadelphia, Pa., \$25; Edward Campbell, Ardmore, Pa., \$20; Conard & Jones Co., West Grove, Pa., for private growers, \$25; John H. Dunlop, Richmond Hill, Ontario, \$25; Eugene Dailliedouze, Flatbush, Brooklyn, N. Y., \$25; August Doernling, Lansdowne, Pa., \$25; Dingee & Conard Co., West Grove, Pa., \$25; William H. Elliott, Brighton, Mass., \$25; Adolph Farnsworth, Roslyn, Pa., \$25; Florex Gardens, North Wales, Pa., for best vase of 100 blooms of Mrs. Geo. Sawyer roses, \$25; Gude Bros., Washington, D. C., \$25; George B. Hart, Rochester, N. Y., \$25; Hess & Swartzell, Omaha, Neb., for vase 25 Ophelia or Bess sell roses, \$10; Benjamin Hammond, Beacon, N. Y., for prettiest vase of roses, to be decided by vote of the ladies, \$10; Joseph Heacock Co., Wyncote, Pa., \$50; A. H. Hews & Co., Cambridge, Mass., \$10; E. G. Hill Co., Richmond, Ind., for best 50 Ophelia, \$25; The Joy Floral Co., Nashville, Tenn., —; Kroeschell Bros. Co., 420 E. Erie street, Chicago, Ill., \$25; Lord & Burnham Co., 42nd St. Bldg., N. Y. C., \$25; Michigan Cut Flower Co., Detroit, Mich., \$25; Stephen Mortensen, Southampton, Mass., \$25; Harry O. May, Summit, N. J., \$25; Martin & Forbes Co., Portland, Ore., \$25; Michell's Seed House, Philadelphia,

Pa., for best vase 25 cut blooms of American Beauty roses, gold medal; Michell's Seed House, Philadelphia, Pa., for best vase 25 cut blooms of Mrs. Charles Russell roses, gold medal; Michell's Seed House, Philadelphia, Pa., for best vase 25 cut blooms of Red Roses, gold medal; Leo Niessen, Philadelphia, Pa., for 50 blooms of any new rose not in commerce, \$25; A.

Cut Flower Co., Elmira, N. Y., \$25; Patrick Welch, Boston, Mass., \$25; Waban Rose Conservatories, Natick, Mass., for 50 Mrs. Charles Russell roses, \$25.

BENJAMIN HAMMOND,  
Secretary.

Beacon, N. Y., Jan. 15, 1916.

## SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

President MacRorie has appointed Thomas H. Joy, Nashville, Tenn., State Vice-President for Tennessee, in the place of C. W. Crouch, resigned.

The following become members of the Executive Board for 1916 by affiliation, as representatives of their respective organizations:

Henry Weston, Hempstead, N. Y.—President of the New York Florists' Club.

S. S. Pennock, Philadelphia, Pa.—President of the American Rose Society.

Joseph H. Hill, Richmond, Ind.—President of the American Carnation Society.

George Burton, Chestnut Hill, Pa.—President of the Florists' Club of Philadelphia.

Irwin Bertermann, Indianapolis, Ind.—President The Florists' Telegraph Delivery.

Alex. Henderson, Chicago, Ill.—President of the Chicago Florists' Club.

Eric James, Elmhurst, Cal.—President of the Pacific Coast Horticultural Society.

E. G. Hill—President Florists, Hall Association.

JOHN YOUNG, Sec'y.

## C. L. BAUM.



C. L. BAUM

N. Pierson, Inc., Cromwell, Conn., \$75; Pulverized Manure Co., 828 Exchange avenue, Union Stock Yards, Chicago, Ill., \$25; S. J. Reuter & Son, Westery, R. I., \$25; M. Rice & Co., Philadelphia, Pa., \$10; Thomas Roland, Nahant, Mass., \$25; S. S. Skidelsky & Co., Philadelphia, Pa., \$10; Robert Simpson, Clifton, N. J., \$25; Charles H. Totty, Madison, N. J., \$25; United States

This is a portrait of C. L. Baum, of Knoxville, Tenn., who has been appointed a director of the Society of American Florists and Ornamental Horticulturists by President MacRorie. Mr. Baum is one of the representative southern florists and an energetic leader and worker for horticultural uplift in the community where he resides. He was state vice-president for Tennessee last year.

## MISS ELVIA SCOVILLE

White Sport Wells' Late Pink

Splendid stock 2½ inch pots READY NOW

\$20 per 100 \$175 per 1000

Send for illustrated catalogue; the finest list of 'Mums ever issued

CHARLES H. TOTTY, Madison, N. J.

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CROMWELL, CONN.

Bedding Plants and Roses

ROBERT CRAIG CO.  
ROSES, PALMS.

and Novelties in Decorative Plants  
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# Convention Garden, Society of American Florists and Ornamental Horticulturists, at Houston, Texas, 1916

PREPARED BY GEORGE E. KESSLER



The accompanying plan of the proposed Convention Garden at Houston, Texas, is reproduced from a blue print kindly supplied by Vice-President Kerr, who says: "Note one particular part of this print is designated as city blocks; this is to show the relative distance from the Rice Hotel, Convention Hall and the Garden. That part of the city park in permanent use will not be used by the Convention. The other portion that is laid off in dotted or peppered spaces is to be used for our display. Our plans are now complete. All beds are about prepared and

are ready to receive reservations. All nurserymen and florists who have hardy stock to plant can turn in their reservations immediately to Mr. Young and he will in turn send them to Mr. Brock, the superintendent, and as you understand all hardy stock should be planted before the first of April and there is little more time to get busy with the planting. Please lay special stress on the fact that the spaces for all hardy stock should be reserved immediately and they will be properly taken care of.

"All exhibitors who are doubtful about the stock that can be grown in

the South should write either Mr. Brock or myself and we can tell them just what will do well here. We thought first that it would be best to publish a full list, but there are so many things that we would be liable to overlook that we think it best that the exhibitors tell us what they have to exhibit and we can easily tell them whether or not it will grow in the South.

"However, there are very few items that will grow well in other climates that will not do well here in the summer. I will have some other data following this shortly."

# DREER KENTIAS

**Good Shape Good Color Good Values**

## KENTIA Belmoreana

### MADE-UP PLANTS

A particularly nice lot of plants.

7 in. tubs, 4 plants in a tub, 36 in. high .....	\$3.00
7 in. tubs, 4 plants in a tub, 38 to 40 in. high .....	4.00
8 in. tubs, 4 plants in a tub, 40 to 42 in. high .....	5.00

## KENTIA Belmoreana

### SINGLE PLANTS

	Doz.	100	1000
2½ in. pots, 4 leaves, 8 to 10 in. high .....	\$1.50	\$10.00	\$90.00
3 in. pots, 5 leaves, 10 to 12 in. high .....	2.00	15.00	140.00
4 in. pots, 5 leaves, 15 in. high .....	4.50	35.00	Each
5 in. pots, 6 to 7 leaves, 18 to 20 in. high .....			\$0.75
6 in. pots, 6 to 7 leaves, 24 in. high .....			1.00
6 in. pots, 6 to 7 leaves, 28 to 30 in. high .....			1.50
7 in. pots, 6 to 7 leaves, 30 to 36 in. high .....			2.50
7 in. pots, 6 to 7 leaves, 36 to 38 in. high .....			3.00

## KENTIA Forsteriana

### MADE-UP PLANTS

	Each
8 in. tubs, 4 plants in a tub, 38 to 40 in. high .....	\$4.00
8 in. tubs, 4 plants in a tub, 42 to 45 in. high .....	5.00
8 in. tubs, 4 plants in a tub, 48 to 50 in. high .....	6.00
10 in. tubs, 4 plants in a tub, 4½ to 5 ft. high .....	8.00
10 in. tubs, 4 plants in a tub, 5 ft. high .....	10.00
12 in. tubs, 4 plants in a tub, 5½ to 6 ft. high .....	15.00
12 in. tubs, 4 plants in a tub, 6½ to 7 ft. high .....	20.00
15 in. tubs, 4 plants in a tub, 8 to 10 ft. high .....	35.00

## KENTIA Forsteriana

### SINGLE PLANTS

	Doz.	100	1000
2½ in. pots, 4 leaves, 8 to 12 in. high .....	\$1.50	\$10.00	\$90.00
3 in. pots, 4 to 5 leaves, 12 to 15 in. high .....	2.00	15.00	140.00
4 in. pots, 5 to 6 leaves, 15 to 18 in. high .....	4.50	35.00	Each
5 in. pots, 5 to 6 leaves, 22 to 24 in. high .....			\$0.75
6 in. pots, 6 leaves, 28 to 30 in. high .....			1.00
6 in. pots, 6 leaves, 34 to 36 in. high .....			1.50
7 in. pots, 6 to 7 leaves, 38 to 40 in. high .....			2.00
7 in. pots, 6 to 7 leaves, 40 to 42 in. high .....			3.00
8 in. tubs, 6 to 7 leaves, 45 to 48 in. high .....			4.00
8 in. tubs, 6 to 7 leaves, 4 ft. high .....			5.00
10 in. tubs, 6 to 7 leaves, 4½ to 5 ft. high .....			6.00
11 in. tubs, 6 to 7 leaves, 5 to 5½ ft. high .....			8.00
10 in. tubs, 6 to 7 leaves, 5½ to 6 ft. high .....			10.00
12 in. tubs, 6 to 7 leaves, 6½ to 7 ft. high .....			15.00
14 in. tubs, 6 to 7 leaves, 7 ft. high .....			20.00



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## PHOENIX ROEBELENI

We hold the most extensive stock in the world of this popular Palm.

Unquestionably one of the prettiest and most graceful Palms grown, which quickly made a place for itself among the popular standard varieties, particularly so for apartment decorations. We have a splendid stock, and offer:

	Doz.	100	1000
3 in. pots .....	\$3.50	\$25.00	\$225.00
4 in. pots .....	6.00	50.00	Each
5 in. pots, 15 in. high, 18 in. spread .....			\$1.00
6 in. pots, 1½ ft. high, 2 ft. spread .....			2.00
7 in. tubs, 1½ to 2 ft. high, 2 ft. spread .....			2.50
8 in. tubs, 2 ft. high, 2½ ft. spread .....			3.00
10 in. tubs, 2 to 2½ ft. high, 2½ ft. spread .....			5.00
10 in. tubs, 2½ ft. high, 3 ft. spread .....			7.50

*The above prices are intended for the trade only*

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**LIVISTONA ROTUNDIFOLIA PANDANUS VEITCHII,**  
**DRACAENA MASSANGEANA** and Other Standard  
 Greenhouse Stock in sizes to suit.

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# Boddington's Quality Cannas

**First-class dormant roots in sound condition, with not less than two or three eyes each, true to name. Cannas shipped by freight at owner's risk.**

One box of 250 sold at thou and rate; it is cheaper for you to buy a box of 250 than 200 at 100 rate. Write for special prices on quantities.

For fuller description of Cannas, also Caladiums, Begonias and other Spring Bulbs send for new Wholesale Catalogue now ready.

## RED-FLOWERING, GREEN FOLIAGE CANNAS

	Doz.	100	1000
A. Bouvier, 5 ft. Dark crimson.....	\$0.25	\$1.65	\$15.00
Beaute Poitevine, 3½ ft. Dark crimson...	.40	2.75	25.00
Black Prince, 3 to 4 ft. Dark velvety maroon.....	.40	2.75	25.00
Charles Henderson, 4 ft. Bright crimson...	.25	1.65	15.00
Cherokee, 4 ft. Intense deep rich maroon...	.25	1.35	12.00
Crimson Bedder, 3 ft. Intense scarlet....	.40	2.75	25.00
Dr. Robert Funke, 1½ ft. Color same as Scarlet Sage.....	.50	5.25	50.00
Duke of Marlboro, 4½ ft. Dark crimson...	.25	1.50	14.00
Furst Bismarck, 4 ft. Rich scarlet crimson.....	.25	1.50	14.00
Grand Chancellor Bulow, 3 ft. Crimson scarlet overlaid with maroon.....	.25	1.65	15.00
J. D. Eisele, 5 ft. Brilliant vermilion scarlet.....	.40	2.25	20.00
Express, 2 to 2½ ft. Scarlet crimson....	.40	2.75	25.00
Louisiana, 7 ft. Vivid scarlet.....	.25	1.50	14.00
Mephisto, 3½ ft. The darkest crimson....	.25	1.35	12.00
Pennsylvania, 5 ft. Deep orange scarlet...	.25	1.50	14.00
President Cleveland, 3 ft. Bright orange scarlet.....	.30	2.00	17.50
President McKinley, 2½ to 3 ft. Brilliant crimson.....	.30	2.00	17.50
President Meyer, 4 ft. Cherry carmine....	.30	2.00	17.50
Pillar of Fire, 6 to 7 ft. high. Bright crimson scarlet.....	.30	2.00	17.50
Tarrytown, 3½ ft. Crimson.....	.30	2.00	17.50

## PINK-FLOWERING CANNAS

Hungaria, 3 to 3½ ft. Pink, color of the Paul Neyron Rose.....	\$0.55	\$3.75	\$35.00
Louise, 5 ft. Rose. Somewhat similar to Mlle. Berat.....	.30	2.00	17.50
Mlle. Berat, 4½ ft. Rose carmine.....	.30	2.00	17.50
Mrs. Alfred F. Conard, 4 ft. Exquisite salmon pink.....	.55	3.75	35.00
Venus, 3½ ft. Rosy pink, mottled border of creamy yellow.....	.50	3.25	30.00

## BRONZE-LEAVED, RED-FLOWERING CANNAS

Brandywine, 4 to 5 ft. Intense vinous red, mottled with deep crimson; sometimes narrowly edged with bright gold.....	\$0.40	\$2.75	\$25.00
David Harum, 3½ ft. Vermillion scarlet....	.40	2.75	25.00
Dr. E. Ackerknecht, 4 ft. Carmine lake, suffused with deep carmine; foliage bronze.	.40	2.75	25.00
Dr. Budingen, 4 ft. Scarlet; bronze foliage.....	.25	1.50	14.00
Egandate, 4 ft. Currant red.....	.25	2.25	20.00
King Humbert, 4 ft. Orange scarlet.....	.30	2.00	17.50
Muscatella, 5 ft. Foliage effect only, small red flowers.....	.25	1.50	14.00
Robusta, 6 to 8 ft. Foliage effect only, small red flowers.....	.30	2.00	17.50

## CALADIUM ESCULENTUM

(Elephant's Ear)

6 to 8 in. in circum., 200 in a case.....	\$0.25	\$2.25	\$20.00
8 to 10 in. in circum., 100 in a case.....	.50	3.50	30.00
12 to 13 in. in circum., 50 in a case.....	1.00	8.00	75.00
Monsters, measuring 13 in. and upward in circum., 25 in a case.....	1.50	12.00	

Full cases at 1000 rate

## FANCY-LEAVED CALADIUMS

English Collection. The cream of the best sorts. Extra fine bulbs in 12 varieties.....	\$2.25	\$15.00	
Brazilian Collection of 12 varieties.....	1.50	12.00	
Mixed Brazilian Varieties.....	1.25	10.00	

## TUBEROUS

SINGLE FLOWERING

Crimson, Scarlet, Pure White, Rose, Light Pink, Yellow, Salmon, Orange, Copper or Mixed, all colors.	Doz.	100	1000
Bulbs, 1¼ in. diam. and up.....	\$0.35	\$2.25	\$20.00
Bulbs, 1½ in. diam. and up.....	.40	2.75	25.00

## ROOTED BEGONIAS

DOUBLE FLOWERING

Crimson, Scarlet, Rose, Pure White, Copper Bronze, Salmon, Yellow, Orange, Light Pink or Mixed, all colors.	Doz.	100	1000
Bulbs, 1 in. diam. and up.....	\$0.35	\$2.25	\$20.00
Bulbs, 1½ in. diam. and up.....	.40	2.75	25.00

Shenandoah, 6 ft. Salmon.....	.25	1.65	15.00
William Saunders, 3½ ft. Bronze-leaved, bright crimson scarlet.....	.40	2.75	25.00

## ORANGE SHADES

Wyoming, 7 ft. Purple foliage, orange-colored.....	\$0.25	\$1.50	\$14.00
Mrs. Kate Gray, 6 ft. Green foliage; orange scarlet and yellow.....	.25	1.65	15.00

## RED, GOLD-EDGED, SPOTTED AND YELLOW CANNAS

	Doz.	100	1000
Duke of York, 4 to 5 ft. Rich, deep crimson, throat mottled creamy white, each petal edged with fine gold.....	\$0.75	\$5.25	\$50.00
General Merkel, 4 ft. Scarlet, suffused with orange, base and edge of flower marbled with golden yellow.....	.25	1.65	15.00
Gladiator, 4 ft. Bright yellow, spotted crimson.....	.25	1.65	15.00
Gladio-Flora, 3½ ft. Crimson, changing to carmine rose with edge of gold.....	.40	2.75	25.00
Jean Tissot, 5 ft. Intense, brilliant vermilion, with bright orange shadings.....	.40	2.75	25.00
Mad. Crozy, 5½ ft. Vermilion, with gold border.....	.35	2.25	20.00
Queen Charlotte, 3½ ft. Golden belt around each petal, center brilliant orange scarlet with crimson tones.....	.40	2.75	25.00
Souv. de A. Crozy, 4 ft. Crimson, with gold band.....	.35	2.25	20.00

## YELLOW SHADES

Florence Vaughan, 5 ft. Yellow, spotted crimson.....	\$0.25	\$1.65	\$15.00
Johanna Kanzleiter, 3½ to 4 ft. Light amber yellow, changing to creamy white.....	.25	1.50	14.00
Richard Wallace, 4½ ft. Canary yellow, green foliage.....	.25	1.50	14.00

## ORCHID-FLOWERING CANNAS

Allemanina, 4 to 5 ft. Green foliage; scarlet and yellow.....	\$0.25	\$1.35	\$12.00
Amenia, 5 ft. Crimson; wide and irregular gold edge.....	.25	1.35	12.00
Austria, 5 ft. Pure canary yellow.....	.25	1.50	14.00
Indiana, 3 to 4 ft. Color, golden orange, daintly marked and striped with red.....	.25	1.35	12.00
Italia, 4½ ft. Green foliage. Red bordered yellow.....	.25	1.50	14.00

## WHITE AND CREAM SHADES

Alsace, 3½ ft. Creamy white.....	\$0.35	\$2.25	\$20.00
Mont Blanc imp., 3½ ft. Almost a pure white.....	.55	3.75	35.00

## GLOXINIA ERECTA GRANDIFLORA

Our strains of Gloxinias are the true, erect-flowering type.			
Blanche de Vera, White, rose-bordered.....	\$0.60	\$4.25	\$40.00
Defiance, Glittering crimson.....	.60	4.25	40.00
Emperor William, Blue white border.....	.60	4.25	40.00
Etoile de Feu, Carmine-red.....	.60	4.25	40.00
Kaiser Frederick, Scarlet white margin.....	.60	4.25	40.00
King of the Reds, Dark scarlet.....	.60	4.25	40.00
Madame Helene, White, with violet crown.....	.60	4.25	40.00
Marquis de Peralta, White, red-bordered..	.60	4.25	40.00
Mont Blanc, Snow-white.....	.60	4.25	40.00
Prince Albert, Deep purple.....	.60	4.25	40.00
Princess Elizabeth, White bordered blue.....	.60	4.25	40.00
Princess Mathilde, White, with rose crown.....	.60	4.25	40.00
Queen Wilhelmina, Dark red.....	.60	4.25	40.00
Boddington's Spotted Varieties. These contain the most distinct and rich black colors.....	.60	4.25	40.00
All Colors Mixed.....	.56	3.75	35.00

**ARTHUR T. BODDINGTON CO., Inc., Seedsmen**

Note Change of Address: 128 CHAMBERS ST., NEW YORK

## SEED TRADE

Chicago, Ill.—The Chicago Seed Trade Association has issued a seed store in New York.

A. T. Boddington Co. have got partially settled down in their new quarters in Chambers St., New York. With reduced space, as compared with the large area occupied in 14th street, the problem of fitting up has taken some time, but now all departments have been nicely accommodated and the store interior has an excellent appearance.

Batting, Mont.—The Batting Seed & Nursery Co. have been started with a capital of \$10,000.

Waco, Tex.—The Waco Seed Company, seed store, was burned out Jan. 11, but the loss, it is understood, is well covered by insurance.

A. T. Boddington Co. have got partially settled down in their new quarters in Chambers St., New York. With reduced space, as compared with the large area occupied in 14th street, the problem of fitting up has taken some time, but now all departments have been nicely accommodated and the store interior has an excellent appearance.

There is to be a hearing before the House Committee on Coinage, Weights and Measures at Washington on Thursday, January 20th, to consider Congressman Dillon's Bill (H. R. 150) relative to establishing standard weights of commodities, including peas, beans, etc. The seedsmen and Curtis Nye Smith, attorney for the Seed Trade Association, expect to be present.

Senator Ackerson has filed in the New Jersey Senate a Bill (S. 11) to regulate the sale of agricultural seeds and to provide standards of purity and germination. This is the old Iowa type of seed bill, discarded for the label law of more recent seed legislation. The bill affects all classes of seeds and is highly objectionable to the seed trade and of little protective value to purchasers of seeds.

**HORTICULTURE Publishing Company:**

Dear Sir—Enclosed is post office order for one dollar for my renewal for HORTICULTURE. As I do not want to lose a single copy I send my subscription at once. I have been a subscriber to HORTICULTURE for at least ten years I think, and that is proof enough that I can't do without it. F. Potoka, Ill.

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### LILIUM GIGANTEUM COLD STORAGE

Extra Selected Stock. Gladiolus for forcing. Nans, Colville or large flowering type. Greenhouse Fertilizers. Ask for 1916 Seed Catalogue.

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# Old English Gardens

## Plant the Seeds That Have Made Them Famous

**P**LANT the seeds that have been used in England's famous Gardens for over a century. The seeds used in the Royal Gardens of England's king.

The seeds that you can absolutely depend on being true to name, and rigidly tested for germination.

In no country of the world, as you know, is exhibit competition so keen as in England. To win in the shows is the highest acquirement.

In our new 190 page catalog are listed a wonderful showing of last season's prize winners, in kinds and varieties never yet shown in America.

If you have had trouble with your Sweet Sultans, we catalog several exceptional ones that we urge you to try.

Mention practically any flower you will and turn to Sutton's catalog, and you find something new and distinctive.

Send 35c. for catalog, which amount will be promptly refunded with your first order amounting to \$5.

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129 Sacramento Street, San Francisco, Cal.  
Agents for the Pacific Coast

## SWEET PEA SEED

Winter or Summer Spencer, only the best commercial varieties.

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BEEF, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

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## MICHELL'S NEW CROP FLOWER SEEDS

**ASPARAGUS Plumosus Nanus** (Northern Greenhouse Grown).

1000 seeds...\$3.50 | 10,000 seeds...\$30.00  
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100 seeds...\$0.75 | 500 seeds...\$3.00  
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Crystal Palace Compacta...\$0.30 Tr. Pkt. Oz. \$1.25  
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**PHLOX DRUMMONDI Dwarf.**

Cecily. Large flowering:  
mixed colors ..... .50 2.25  
Crimson with eye..... .40 2.00  
Deep Scarlet ..... .40 2.25  
Fair Maid. Soft pink..... .40 2.25  
Fireball. Scarlet..... .40 1.75  
Pink ..... .40 2.00  
Snowball. White..... .40 1.75  
Violet with eye..... .40 2.00  
Choice Mixed ..... .40 1.25

**SALVIA.**

Scarlet Gem ..... .50 3.00  
Bonfire ..... .40 2.25  
Zurich ..... .50 2.25  
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Splendens ..... .25 1.25

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**BERLIN and HAMBURG**

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In cases of 3000 pips.....\$10.00 each  
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" " " 250 " ..... 4.00 "

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Special quotations on application

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**STOCKS Boston Flower Market**

Unsurpassed for the largest percentage of double flowers.

We have crimson, canary yellow, dark blue, deep blood red, apple blossom, bright rose, light blue, scarlet.

Trade pkt. \$1.00; Pure White, trade pkt., \$1.50.

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Best Winter flowering Pink Snapdragon on the market. Per pkt., \$1.00; 6 pkts. for \$5.00.

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## "SEEDS WITH A LINEAGE"

Seeds with a generation of finest flowers and vegetables back of them—carefully selected—really tested.

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WHOLESALE FIELD AND GARDEN SEEDS

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Will take good care of your orders  
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Auto delivery of Designs and Flowers to  
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Stock and Work First Class

Orders Filled Day or Night for  
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Complete Stock. Regular discount to Trade.  
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Flowers of Every Kind in Season

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ANDERSON service means fresh, sturdy  
Stock and prompt deliveries in BUFFALO,  
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Randall's Flower Shop  
HARRY L. RANDALL, Proprietor.  
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125,000 Sq. Ft. of Glass  
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Towns for Ready Reference. Orders  
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to any of the firms whose address is  
here given will be promptly and prop-  
erly filled and delivered.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl  
St.

Albany, N. Y.—The Rosery, 23 Steuben  
St.

Albany, N. Y.—Danker, 40-42 Malden  
Lane.

Albany, N. Y.—William C. Gloeckner, 97  
State St.

Boston—Thos. F. Galvin, 1 Park St.

Boston—Penn The Florist, 37-43 Brom-  
field St.; 124 Tremont St.

Boston—H. R. Conley, 6 Park St.

Buffalo, N. Y.—S. A. Anderson, 440 Main  
St.

Brooklyn, N. Y.—C. C. Trepel.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan  
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid  
Ave.

Cleveland, O.—Adam Graham & Sons,  
5523 Euclid Ave.

Cleveland, O.—Knoble Bros., 1836 W. 25th  
St.

Cleveland, O.—The Smith & Feters Co.,  
735 Euclid Ave.

Denver, Col.—Park Floral Co., 1643  
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,  
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017  
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-  
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.  
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth  
Ave.

New York—Thos. F. Galvin, Fifth Ave.,  
at 46th St.

New York—A. T. Bunyard, 413 Madison  
Ave., at 48th St.

New York—C. C. Trepel, Bloomingdale's.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415  
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25  
Clinton Ave., N.

Rochester, N. Y.—Salter Bros., 38 Main  
St., West.

St. Louis, Mo.—Fred C. Weber, 4526-28  
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-  
son Co.

Toronto, Can.—J. H. Dunlop, 8-10 West  
Adelaide St.

Washington, D. C.—Gude Bros.,  
St.

Washington, D. C.—F. H. Kramers,  
F St., N. W.

Worcester, Mass.—H. F. A. Lange.

Worcester, Mass.—Randall's Flower Shop.

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**TORONTO**

Delivered on mail or telegram order for  
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**EYRES**  
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER

NORTH PEARL STREET, ALBANY, N. Y.

**KERR** ORDERS FOR TEXAS  
HOUSTON, TEXAS  
The Florist

## NEWS ITEMS FROM EVERYWHERE

### CHICAGO.

The Old Shop has continued to be a strong pull for the Valentine trade. All sorts of novelties including something new in baskets will be brought out.

Guy French had his wife and three children all down with gripe at the same time and they are now convalescing. Henry Weiss, of the Philadelphia Press, is still quite ill with the gripe.

William Graham has arrived from Philadelphia to accept the management of Fleischman's, at the Railway Exchange Building. Mr. Graham finds the place pretty hot. Dan Kline, who has just come from Philadelphia to take charge of the Flower Growers' Association and who has become an ardent admirer of this city.

T. Waters, manager of the supply department of Poehlmann Bros. Co., says that the scarcity of flowers is favorable to the business of the supply houses. All kinds of substitutes are selling to relieve the situation. The office and show rooms in this department have been re-arranged so as to afford the buyers a better opportunity to make stock selections.

State street has not had an exclusive flower store since Canger & Gormley removed, following the death of Mr. Gormley, about four years ago. The high rental has been considered prohibitory to this business but a venture has been made by the Chicago Floral House at 144 N. State street with G. P. Constantino, proprietor, who has another store at 39 W. Randolph street. The location is opposite Marshall Field's.

Chicago shippers are having something to contend with. Twice since the New Year came in has the thermometer made a sudden drop of nearly 60 degrees in twenty-four hours and the result was frozen shipments galore. As one prominent shipper says it is not enough to pack your goods so as to protect them from the temperature that exists when you make your shipment but you must pack to protect from the cold that may overtake them in a few hours after leaving you.

Kroeschell Bros. are receiving the usual rush orders for boilers to replace old ones which have given out under the stress of heavy firing for the extreme cold weather. These hurry-up orders are planned for and so systematic are their shipping arrangements and so perfected are all the details connected with them that a 4 P. M. order results in a boiler being on the way before the office closes that night. During no similar length of time have more orders been received than during this winter to date, and business here is very satisfactory.

Gus French, of French & Salm,

A good table of plants at Union Grove contains 75,000 sq. ft. of glass, all of which is devoted to growing the MacNiff roses. Mrs. Russell says that flower is doing splendidly with them and they shall grow nothing else next year. His good report is backed up by the stock he is cutting which is all handled by A. C. Aming Co. The 35,000 plants produced 18,000 blooms during the five days of Christmas week, flowers ranging from 18 in. up. Those who know how the Chicago market averaged that week can draw their own conclusions as to the financial outcome. Christmas prices have prevailed ever since.

### NEW YORK.

Arthur Herrington of Madison, N. J., has been called suddenly to Iowa City, Ia., by the serious illness of his mother, who resides there.

"Tommy" Martin, for many years well known, well liked and efficient as a salesman in the wholesale establishment of Trandly & Schenck, is very seriously ill. W. P. Ford and Walter R. Siebrecht are among the recent victims of gripe in the wholesale district.

The MacNiff Horticultural Company has leased another building in addition to the buildings heretofore occupied. This new addition is No. 52 Vesey St., and is a five-story and basement building, so that when alterations are completed the business will occupy 52, 54 and 56 Vesey street. One building will be occupied by the seed department, and the other two buildings will be devoted to plant auction business.

### BOSTON.

New victims of the gripe are Mrs. Brown, of J. W. Rogers, and S. Cravath, of Houghton & Cravath.

We regret to announce the very serious illness of Mrs. Thomas A. Cox, who suffered a shock two weeks ago.

J. K. M. L. Farquhar is booked to deliver a lecture before the Garden Club of Cleveland, Ohio, on Wednesday, Jan. 26.

J. A. Budlong, of the Budlong Rose Co., has the sympathy of the florists of Boston on the loss of his daughter, who was murdered Monday, Jan. 17, by a rejected suitor.

The sympathy of the retail and wholesale florists of Boston is extended to Archibald Harrigan, of the W. H. Elliott crew, on the death of his mother on Monday, Jan. 17, of pneumonia. Mr. Harrigan also lost his brother three weeks ago.

**HORTICULTURE Publishing Company:**

Gentlemen—Enclosed please find one dollar, currency, in payment for subscription to HORTICULTURE for the year 1916. I think much of this paper and believe that it comes as near giving me the worth of my money as anything that I buy.

Very truly yours,  
Burlington, Ia.

S.

### PITTSBURGH.

Edna W. Linder is confined to her home with a severe attack of influenza. Her nephew, DeForest W. Ludwig, is also ill in the same manner.

Joseph G. Geary, an attache of the Pittsburgh Cut Flower Company, has the distinction of being the champion ten pin roller of Western Pennsylvania.

Since the departure of Harry E. Graves for California, Oliver J. Beet has been in charge of the branch shop of the Zieger Company on North Highland avenue.

Thomas Edward Tyler, the "orchid man" for Charles Dickey Armstrong, has developed a new double *Primula malacoides* which he is contemplating putting on the market later.

Ernest Guter recently supervised the removal of a fine old liquidamber tree from the Westinghouse estate to that of Richard Beatty Mellon. The tree measured fifty feet in height and trunk fourteen inches in diameter.

Merlin Harris, who has charge of Dr. John Fremont Shaffer's orchid houses, now has in flower a *Cypripedium insigne* bearing two blooms on one spike, the texture of the blooms being much heavier than the type. Mr. Harris is just convalescing from a serious attack of influenza.

Samuel B. McClements has returned from a sojourn at Atlantic City, where he went to recuperate following the holiday trade. Frank Stafford, one of his salesmen, has a severe attack of gripe. J. Murray McGrew, a salesman for G. P. Weaklin & Company, also has the gripe.

Edward S. James, who has been for some years in charge of the Hotel Schenley grounds, has severed this relation and accepted the charge of the roof storage greenhouse of the new service house for the joint use of the Fort Pitt and the William Penn Hotels, the latter now in course of construction.

The Highland Floral Company is the name of the new wholesale and retail commercial enterprise recently assumed by James Watt, superintendent for Alexander R. Peacock, on his estate, "Rowanlea." Mr. Watt leases the show house, a handsome structure of five sections on the residential grounds, and the propagating house just across the way which includes eight sections. Henry B. Keillor, who for some time has been Mr. Peacock's head gardener, will continue under Mr. Watt's regime as the greenhouse foreman.

### CINCINNATI.

Ben George, Jr., has been seriously ill for the past week.

C. E. Critchell, J. A. Peterson and R. Witterstaetter will attend the Carnation Society's meeting at St. Louis.

The preliminary flower show committee met on Tuesday afternoon. They will have a complete report ready for the Society at its next regular meeting.

# For the Florists of America

A NEW LINE OF

## Baskets, Plant Receptacles and Other Up-to-Date Goods OF DOMESTIC MANUFACTURE

Superior in quality and design to anything ever imported. Also more for your money. These goods are **new, original and profitable.** Many of them we handle exclusively; of the rest we handle more than any other supply house in this country.

*Send for Our Silent Salesman*

**THE FLORISTS' SUPPLY HOUSE OF AMERICA**

**H. BAYERSDORFER & CO., 1129 Arch Street,  
PHILADELPHIA, PA.**

### Obituary

**John J. Ehrhardt.**

John Jacob Ehrhardt, for many years a florist on Conway street, Brooklyn, N. Y., died Jan. 12, aged 49 years. He is survived by his widow, two sons and two daughters.

**Edith Moulton**

Miss Edith Moulton, daughter of Mr. and Mrs. Willis Moulton, died at her home in York Village, Me., on January 8, aged 40 years, after several months' illness with tuberculosis. For many years Miss Moulton assisted in the florist business of Moulton & Son and had many friends among the summer residents as well as York people.

**Melissa Budlong.**

Miss Melissa Budlong, aged 21 years, daughter of James A. Budlong, rose grower and market gardener, was shot and instantly killed at her home in Auburn, R. I., on Monday morning, January 17, by a young man 21 years of age with whom she had been keeping company. The murderer then turned the weapon upon himself, inflicting wounds from which he died a few hours later at the hospital.

**W. B. Du Rie.**

William Brittin Du Rie, a well-known florist of Rahway and member for many years of the S. A. F. and the New York Florists' Club, died on January 16 at his home in Rahway, aged 75 years. Mr. Du Rie served as principal of a Jersey City school for 35 years. He was a veteran of the Civil War, serving as a non-commissioned officer in Company B, Thirtieth New Jersey Volunteers, and later in the Thirty-ninth N. J. Regiment. He is survived by a widow, two sons, Samuel C. and William Brittin Du Rie, Jr., of Rahway, and one daughter, Mrs. Frank of Marlboro.

**Albert McCullough.**

Albert McCullough, president and manager of the J. M. McCullough Sons Co. of Cincinnati, Ohio, died on January 13th after a short illness. He was in his 65th year. During his lifetime he took an active interest in many

affairs both public and private, and at the time of his decease was a member of the Chamber of Commerce, of which he was also a former president; of the Queen City Club, The Business Men's Club, a director of the Fourth National Bank, as well as an active member in several fraternal bodies. Mr. McCullough was a pioneer member of the Society of American Florists. In the American Seed Trade Association he was a very active member, serving from 1886 to 1889 as secretary-treasurer, in 1890 as president, and again in 1900 as president after two years as 2nd and 1st vice-president. His widow, a son Harrie B. McCullough, and two daughters survive him.

### NEW CORPORATIONS.

**San Francisco, Cal.**—The Dixie Company, to do a general nursery and horticultural business, capital stock \$10,000.

**Billings, Mont.**—Page-Clark Seed & Nursery Co., capital stock \$100,000. Incorporators, Hugh D. Page, S. T. Clark and B. E. Upton.

**Owensboro, Ky.**—Hafendorfer-Thornton Co., seeds, implements, etc., capital stock \$12,000. Incorporators, H. Hafendorfer and C. B. Thornton.

**Toledo, O.**—Western Avenue Greenhouse Co., capital stock \$10,000. Incorporators, Arthur G. and E. M. Imobstertag and Myrtle A. Schroeder.

**White Plains, N. Y.**—Carrillo & Co., florists and nurserymen, capital stock \$10,000. Incorporators, Benjamin B. Jacobs, Walter R. Siebrecht and Louis T. Carrillo.

**New York, N. Y.**—The Flower Basket Shop Corp., general florist business; capital stock \$25,000. Incorporators, Norman Johnson, Myrtle Unison and Edna W. Tunis.

**Bonnors Ferry, Idaho.**—Northern Idaho Seed Growers' Association, capital stock \$25,000. Incorporators, A. J. Kent, F. J. and E. H. Wells, Eugene Ralph, W. T. Jones, C. W. H. Heitman, H. M. Leslie, W. M. Miller, O. A. Phillips and W. E. Aldridge.

### Visitors Register

Reading, Pa.—W. F. Therkindson, Philadelphia.

Pittsburgh—C. Reising, representing the L. Baumann Company, Chicago.

Cincinnati — Sam. Seligman, New York; J. F. Donaldson of the Willadeen Nurseries, Sparta, Ky.; Bob Newcomb, representing A. L. Randall Co., Chicago.

Boston—Frank H. Traendly, New York City; Alex J. Guttman, New York; John McCarthy, Phila.; S. S. Skidelsky, Phila.; J. M. Hardyzer, Boskoop, Holland.

Washington, D. C.—Fred Burki, Pittsburgh, Pa.; C. W. Tolman, Bangor, Maine; F. W. O. Schmitz, New York; George W. Evenden, Williamsport, Pa.; P. Broer, Boskoop, Holland; C. P. W. Nims, Cambridge, Mass.; Joseph Goudy, representing H. A. Dreer, Philadelphia.

Chicago — Mrs. Margaret Labo, Joliet, Ill.; Robert Sperro, representing Chas. Zinn, New York City; E. G. Hill, Richmond, Ind.; Rolf Zetlitz, Lima, O.; W. Metzger, Wenona, Ill.; C. H. Perkins, 2nd, of Jackson & Perkins Co., Newark, N. Y.; Mrs. T. Meyer, Waukegan, Ill.; P. Clausen, Albert Lea, Minn.

Philadelphia—H. B. Jones, of Jones, Russell Co., Cleveland, Ohio; C. H. Totty, Madison, N. J.; Geo. Asmus, Chicago; Thos. Roland, Nahant, Mass.; John Young, New York; W. F. Kasting, Buffalo; Sam McClements, Pittsburgh, Pa.; Mrs. Hildebrandt, Harrisburg, Pa.; Hugh M. Taylor, seed grower, Lloyd, Fla.; P. Welch, Boston, Mass.; W. C. Langbridge, Cambridge, N. Y.; E. H. Wilson, Boston, Mass.; W. I. Stewart, Boston, Mass.; Leonard Barron, Garden City, N. Y.

F. H. C. Smith, of the University of Illinois, is to take the position in the Extension Service of the Massachusetts Agricultural College vacated recently by P. H. Ellwood.

# GARDENIAS

The Best \$25.00 Per 100  
Fancy \$20.00 Per 100  
Firsts \$15.00 Per 100

We handle the entire lot of the largest Gardenia  
shipment in this section. When you want good  
Gardenias, let us supply you.

## THE LEO NIESSEN CO.

Wholesale Florists

1201-05 Race Street,

PHILADELPHIA, PA.



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FOR  
FLORIST'S  
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THOSE  
MADE  
BY THE

## Boston Florist Letter Co.

66 PEARL ST., BOSTON  
N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.  
Script Letters, \$3.00 per 100.

Order direct or buy from your local  
supply dealer. Insist on having the

**BOSTON**

Inscription, Emblems, etc. Always  
in Stock.

# Wired Toothpicks

Manufactured by

## W. J. COWEE, Berlin, N. Y.

10,000...\$1.75 50,000...\$7.50. Sample free.  
For sale by dealers.

# E. G. HILL CO.

Wholesale Florists

**RICHMOND, IND.**

Please mention Horticulture when writing.

## MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

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Hardy Fancy Fern Our Specialty

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WHOLESALE

## Plantsmen and Florists

37 and 39 West 28th St., NEW YORK



# POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around  
**72-74 EAST RANDOLPH ST., - - - CHICAGO.**

If interested, send us your name and address for our weekly price list.

# WELCH BROS. CO. Wholesale Cut Flower Market

Daily consignments from leading growers Full line of Florists' Supplies Write for quotations before ordering elsewhere

**226 DEVONSHIRE ST., BOSTON, MASS.**  
Telephone, Main 6267-6268

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	BOSTON Jan. 2		ST. LOUIS Jan. 17		PHILA. Jan. 10	
<b>Roses</b>						
Am. Beauty, Special	4.00	to 7.00	40.00	to 60.00	30.00	to 50.00
" " Fancy and Extra	20.00	to 25.00	25.00	to 30.00	12.50	to 25.00
" " No. 1	8.00	to 10.00	10.00	to 15.00	6.00	to 10.00
Russell, Hadley	8.00	to 25.00	10.00	to 15.00	6.00	to 15.00
Killarney, Richmond, Hillingdon, Ward, Extra	10.00	to 12.00	10.00	to 10.00	10.00	to 15.00
" " Ordinary	6.00	to 8.00	5.00	to 6.00	5.00	to 8.00
Arenburg, Radance, Taft, Key, Extra	1.00	to 12.00	10.00	to 10.00	10.00	to 15.00
" " Ordinary	6.00	to 8.00	5.00	to 6.00	5.00	to 8.00
Ophelia, Mock, Sunburst, Extra	1.00	to 10.00	8.00	to 10.00	10.00	to 15.00
" " Ordinary	1.00	to 1.00	5.00	to 6.00	5.00	to 8.00
<b>Carnations, Fancy</b>	5.00	to 6.00	4.00	to 6.00	4.00	to 6.00
" " Ordinary	4.00	to 5.00	2.00	to 3.00	3.00	to 4.00
<b>Cattleyas</b>	50.00	to 50.00	50.00	to 60.00	25.00	to 50.00
<b>Dendrobium formosum</b>	10.00	to 10.00	10.00	to 10.00	35.00	to 50.00
<b>Lilies, Longiflorum</b>	8.00	to 12.00	12.00	to 15.00	12.00	to 15.00
" " Rubrum	6.00	to 6.00	6.00	to 8.00	5.00	to 8.00
<b>Callas</b>	12.00	to 15.00	10.00	to 12.00	12.00	to 16.00
<b>Lily of the Valley</b>	4.00	to 5.00	3.00	to 4.00	2.00	to 5.00
<b>Disies</b>	2.00	to 3.00	.25	to .50	.50	to 2.00
<b>Violets</b>	.50	to .75	.50	to .75	.25	to 1.00
<b>Mignonette</b>	4.00	to 7.00	3.00	to 4.00	3.00	to 6.00
<b>Snagdragon</b>	4.00	to 5.00	4.00	to 5.00	4.00	to 15.00
<b>Narcissus, Paper-White</b>	4.00	to 5.00	3.00	to 4.00	4.00	to 5.00
" " Trumpet	3.00	to 4.00	3.00	to 4.00	6.00	to 8.00
<b>Hyacinths, Roman</b>	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
<b>Freesia</b>	3.00	to 4.00	3.00	to 4.00	3.00	to 6.00
<b>Calendulas</b>	2.00	to 3.00	3.00	to 4.00	2.00	to 4.00
<b>Stevia</b>	.75	to 1.00	1.00	to 1.50	1.00	to 1.50
<b>Sweet Peas</b>	1.00	to 1.00	1.00	to 2.00	.75	to 2.00
<b>Gardenias</b>	35.00	to 50.00	10.00	to 10.00	10.00	to 40.00
<b>Adiantum</b>	12.00	to 1.00	1.00	to 1.25	1.00	to 1.50
<b>Smilax</b>	25.00	to 16.00	12.00	to 15.00	15.00	to 20.00
<b>Asparagus Plumosus, Strings / 100</b>	25.00	to 50.00	35.00	to 50.00	50.00	to 90.00
" " & Spreng. / 100 Bchs	25.00	to 35.00	20.00	to 35.00	25.00	to 50.00

# WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - - BUFFALO, N. Y.

# Chicago Flower Growers Ass'n.

Wholesale Growers of Cut Flowers and Plants

182 N. Wabash Avenue - - - Chicago, Ill.

## Flower Market Reports

The Boston wholesale market remains unchanged. Although the weather has been a little brighter, with a small amount of sunshine coming in occasionally, it hasn't changed the size of crops or market values very much. Carnations are a little more plentiful, but are selling at as good a figure as before. Bulb stock is also more abundant, but the quantity is not large enough for the demand. Roses are off crop and prominent growers claim that the prices that they are bringing reminds them of the old times when they were bringing in their little boxes and cleaning out at any price that they asked.

Market good, supply short, prices high, is the story of the market for the past week and by all indications things are to so remain for a while. Zero weather has added to the troubles of the merchant and some stock already had been received in frosted condition and at just the time when it could have been used to advantage. Roses are still scarce, carnations coming a trifle better, and other stock not abundant. Wholesale stocks are cleaned up daily.

No relief has come to this market since our last report, a week ago. Stock remains so scarce that practically all out of town orders are cut to the least amount that will answer the purpose. It is hard to say whether a few more flowers of any one kind are cut than last week, for the amount still keeps so far below what ordinarily comes into the wholesale houses and below what the demand calls for. The sunshine has been up to the average, though the thermometer has registered low, but weather conditions are not considered the cause of the shortage. A very heavy crop was on for the holidays and that crop having been cut, the only solution is to wait with what patience we may have till the next one comes. Bulbous stock is up to the usual January supply and quality is considered good, but the scarcity of other flowers causes this supply to appear smaller than in other years because it is sold so quickly.

The sudden cold and cloudy weather has reduced receipts and brought the daily supply down to the lowest point of the year in almost every line of stock. In the meantime the demand was active and brought about a rise in prices. At the time of this writing the supply of roses is very small. It includes, however, some very fine American Beauties. The cut of carnations has also decreased. Lilies, plentiful right along, now are coming in only limited quantities. Lily of the valley are also rather scarce, and daffodils and jonquils have been proving good property. Violets are fairly plentiful. Wild smilax and galax are meeting with a heavy demand.

During the many Januarys through which we have been privileged to follow the flower markets we



## SPENCER SWEET PEAS

In this scarcity of flowers, Spencer Sweet Peas with the various crops coming on are more plentiful, wonderfully choice quality and selling well.

**\$1.50, \$2.00, \$2.50, and  
\$3.00 per 100**

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1608-1620 Ludlow St.

NEW YORK  
117 W. 28th St.

BALTIMORE  
Franklin and St. Paul Sts.

WASHINGTON  
1216 H St., N. W.

## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Jan. 17	CHICAGO Jan. 17	BUFFALO Jan. 17	PITTSBURG Jan. 17
<b>Roses</b>				
Am. Beauty, Special.....	40.00 to 50.00	35.00 to 50.00	..... to 50.00	..... to 75.00
" " Fancy and Extra....	25.00 to 35.00	25.00 to 35.00	..... to 35.00	..... to 60.00
" " No. 1.....	10.00 to 20.00	10.00 to 20.00	..... to 25.00	30.00 to 50.00
Russell, Hadley.....	10.00 to 15.00	8.00 to 25.00	..... to 20.00	10.00 to 25.00
Killarney, Richm'd, Hill'don, Ward	8.00 to 12.00	10.00 to 20.00	6.00 to 8.00	10.00 to 25.00
" " Ord.	4.00 to 6.00	5.00 to 8.00	4.00 to 6.00	6.00 to 8.00
Arenburg, Radiance, Taft, Key, Ex.	8.00 to 12.00	8.00 to 12.00	4.00 to 15.00	..... to 10.00
" " Ord.	4.00 to 6.00	5.00 to 8.00	6.00 to 10.00	..... to 10.00
Ophelia, Mock, Sunburst, Extra	8.00 to 12.00	8.00 to 12.00	8.00 to 10.00	15.00 to 20.00
" " Ordinary	4.00 to 6.00	5.00 to 8.00	4.00 to 6.00	8.00 to 10.00
<b>Carnations</b>				
" " Fancy.....	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00	8.00 to 10.00
" " Ordinary.....	..... to 4.00	3.00 to 5.00	3.00 to 4.00	..... to 6.00
<b>Cattleyas</b>	60.00 to 75.00	50.00 to 60.00	..... to 60.00	75.00 to 80.00
<b>Dendrobium formosum</b>	..... to 10.00	..... to 10.00	..... to 10.00	..... to 10.00
<b>Lilies, Longiflorum</b>	12.50 to 15.00	8.00 to 12.00	10.00 to 12.00	12.00 to 15.00
" " Rubrum.....	5.00 to 10.00	..... to 10.00	..... to 5.00	..... to 10.00
<b>Callas</b>	10.00 to 15.00	10.00 to 12.00	10.00 to 12.00	..... to 10.00
<b>Lily of the Valley</b>	5.00 to 10.00	3.00 to 5.00	3.00 to 4.00	4.00 to 5.00
<b>Daisies</b>	..... to 1.00	..... to 1.00	1.00 to 1.50	3.00 to 4.00
<b>Violets</b>	.75 to 1.00	.75 to 1.00	.60 to .75	1.50 to 2.00
<b>Mignonette</b>	..... to 5.00	5.00 to 8.00	4.00 to 6.00	4.00 to 8.00
<b>Snopdragon</b>	..... to 6.00	6.00 to 10.00	4.00 to 6.00	..... to 10.00
<b>Narcissus, Paper-White</b>	3.00 to 4.00	4.00 to 4.00	2.00 to 3.00	..... to 4.00
" " Trumpet.....	4.00 to 5.00	4.00 to 5.00	5.00 to 6.00	..... to 10.00
<b>Hyacinths, Roman</b>	3.00 to 4.00	3.00 to 5.00	2.00 to 3.00	3.00 to 4.00
<b>Freesia</b>	3.00 to 4.00	4.00 to 5.00	3.00 to 5.00	..... to 10.00
<b>Calendulas</b>	..... to 3.00	4.00 to 4.00	3.00 to 4.00	1.00 to 4.00
<b>Stevia</b>	..... to 2.00	3.00 to 3.00	1.00 to 1.25	1.00 to 2.00
<b>Sweet Peas</b>	.75 to 1.50	1.50 to 2.50	1.00 to 1.50	1.50 to 2.00
<b>Gardenias</b>	..... to 25.00	35.00 to 40.00	40.00 to 40.00	..... to 10.00
<b>Adiantum</b>	..... to 1.00	1.25 to 1.25	1.00 to 1.00	1.00 to 1.25
<b>Smilax</b>	12.50 to 15.00	12.00 to 18.00	..... to 15.00	10.00 to 15.00
<b>Asparagus Plumosus, Stringa (100)</b>	25.00 to 50.00	50.00 to 60.00	40.00 to 60.00	..... to 50.00
" " & Spreng. (100 bchs.)	25.00 to 50.00	25.00 to 50.00	30.00 to 50.00	35.00 to 50.00

## J.A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and  
CARNATIONS  
A Specialty

WHOLESALE  
GROWER of

CUT FLOWERS

have never known a period of such in New York so pronounced as the present. The total receipts of the wholesalers on 28th street in any one day might be handled by a single establishment. The consequence is that Christmas prices have in the past been continued up to the present time. One item alone seems to have been excluded from these general conditions

are many of fine quality but for which the call is very light and prices correspondingly depressed. Another item which is in really insufficient supply the variety Gov. Herrick, with its exceptionally good color, fragrance and keeping qualities, is almost unobtainable at less than one dollar per 100.

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Ferns, Mosses, Wild Smilax, Galax,  
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Laurel, Hemlock, all Decorative Evergreens.

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SAVE TIME AND MONEY BY SENDING YOUR ORDER TO US

Prices Right. Consignments Solicited. Telephone Connection

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CONSIGNMENTS SOLICITED

NEW YORK QUOTATIONS PER 100. To Dealers Only

**ROSES AND CARNATIONS**

		Last Half of Week ending Jan. 15 1916		First Half of Week beginning Jan. 17 1916
American Beauty, Special	4.00 to 5.00	35.00 to 50.00		
" " Fancy and Extra	20.00 to 25.00	15.00 to 25.00		
" " No. 1	5.00 to 10.00	5.00 to 10.00		
Russell, Hadley	12.00 to 50.00	12.00 to 50.00		
Killarney, Richmond, Hillingdon, Ward, Extra	8.00 to 12.00	8.00 to 12.00		
" " Ordinary	6.00 to 8.00	6.00 to 8.00		
Arenburg, Radiance, Taft, Key, Extra	7.00 to 12.00	7.00 to 12.00		
" " Ordinary	5.00 to 8.00	6.00 to 8.00		
Ophelia, Mock, Sunburst, Extra	8.00 to 12.00	8.00 to 12.00		
" " Ordinary	6.00 to 8.00	6.00 to 8.00		
Carnations, Fancy	4.00 to 6.00	4.00 to 6.00		
" " Ordinary	3.00 to 4.00	3.00 to 4.00		

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Orchids, Gardenias and Many Unusual  
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Telephones, 13-8510 Madison Square

Consignments Solicited

MAURICE L. GLASS, Treasurer

## Flower Market Reports

(Continued from page 118)

standard rate for other singles. The carnation market has changed around since the holiday so that the whites outclass the reds in demand. The call for white flowers has, further, given a sharp impulse to the price of lilies, callas, paper white narcissi, etc. All bulbous stock sells without a word of protest against the stiff figures as compared with those which prevail ordinarily. The retail stores are carrying almost no flowers in stock or for window display. A few ferns, palms and flowering plants constitutes the bulk of the outfit. In design work, galax, leucothoe and other expedients reduce the actual number of fresh flowers used to the smallest limit.

Flowers a little scarce at present and prices in growers' favor—take the market all around. Beauties have been rather plenty, but are now getting off crop a little. Other roses scarce—not enough to go around—especially in the shorter grades. Last week there was a drop in carnations, but the market has recovered and good prices are now being realized. Cattleyas are among the few things that are in good supply, some very fine Trianaes arriving. Sweet peas are extra good and sell well. A few daffodils, tulips and Roman hyacinths are to be seen, but nothing to make any stir in the market. A fair quantity of paper whites are arriving and bringing prices away above normal years. Lily of the valley is scarce and bringing more money. Lilies are also scarce and higher in price. Violets, particularly doubles, are rather sluggish. Mignonette has improved in quality considerably and is bringing very good prices.

With the death rate averaging almost double the usual toll hereabouts, the enormous demand for flowers continues, with the supply worse and worse. Roses and carnations, especially, are scarce. The social demands are less heavy than for some weeks past, however, and the zero weather has practically precluded so-called "traffic trade."

The conditions of the wholesale market have not changed much from last reports and the scarcity in almost anything seasonable still keeps up. The most notable scarcity is in roses, which was unexpected. Carnations, too, are scarce with high prices. Other stock cleans up daily.

Stock of all kinds is very scarce with few exceptions and prices are very high. The demand for lily of the valley, high-grade roses and carnations has been very good. Carnations are not enough to go around, particularly the whites and pinks. American Beauty roses are in good demand and the price stiffened materially. The sale on Radiance and Mock is very good. There are plenty of New York double violets to be had but there is something of a shortage of locally grown single violets and the prices on the latter are somewhat

## PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

TELEPHONE MAIN 2698

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M.

## NEW YORK QUOTATIONS PER 100. To Dealers Only

### MISCELLANEOUS

	Last Half of Week ending Jan. 15 1916		First Half of Week beginning Jan. 17 1916	
Cattleyas	10.00	to 25.00	10.00	to 25.00
Dendrobium formosum	25.00	to 50.00	25.00	to 50.00
Lilies, Longiflorum	8.00	to 10.00	8.00	to 10.00
"    Rubrum	6.00	to 8.00	6.00	to 8.00
Callas	12.00	to 15.00	12.00	to 15.00
Lily of the Valley	3.00	to 5.00	3.00	to 5.00
Daisies	2.00	to 3.00	2.00	to 3.00
Violets	5	to .75	5	to .75
Mignonette	2.00	to 4.00	2.00	to 4.00
Snadragon	3.00	to 6.00	3.00	to 6.00
Narcissus, Paper-White	2.5	to 3.00	2.50	to 3.00
"    Trumpet	4.00	to 6.00	4.00	to 6.00
Hyacinths, Roman	2	to 3	2	to 3
Freesia	2.00	to 4	2.00	to 4
Calendulas	2.00	to 4.00	2.00	to 4.00
Stevia	1	to 1.50	1	to 1.50
Sweet Peas	1.00	to 1.50	1.00	to 1.50
Gardenias	25.00	to 35.00	25.00	to 35.00
Adiantum	.50	to 1.00	.50	to 1.00
Smilax	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, strings (per 100)	30.00	to 40.00	35.00	to 40.00
"    & Spreu (100 bunches)	15.00	to 20.00	15.00	to 20.00

## Are You Dissatisfied?

I have an unlimited market for your flowers, any variety, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty-eight years in the Cut Flower Commission Business.

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CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES  
and all Seasonable Varieties of Cut Flowers

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EVERYTHING IN CUT FLOWERS  
Gardenias and Orchids a specialty.  
"Jake" knows the ropes. Give him a trial. Consignments solicited.

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and are dealers in  
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Flowers Sold on Commission

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Good Stock Solicited

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111 W. 28th Street

higher. Spencer sweet peas are moving well and bringing good prices, while there is a fair call for the other varieties. Orchids have dropped in price and are fairly plentiful. Pos-

is bringing 25¢ a bunch. Snapdragons are very popular for use in dinner decorations. Tulips have made their appearance. White lilac is being used to quite an extent in decorations.

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	Per 100
BEGONIA LORRAINE, 2 1/2 in.	\$12.00
3 in.	20.00
4 in.	30.00
5 in.	50.00
BEGONIA CINCINNATI, 2 1/2 in.	18.00
3 in.	25.00
3 1/2 in.	30.00
4 in.	40.00

JULIUS ROEHR'S CO., Rutherford, N. J.

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Bulbs of all descriptions. Write for prices.  
NEW YORK Branch, 8-10 Bridge St.

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Newest list of the newest Cannas just out. Complete assortment of the finest sorts, at remarkable rates.

Send for list today.  
THE CONARD & JONES CO.  
West Grove, Pa.

## CARNATIONS

Wood Bros., Fishkill, N. Y.  
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F. Dorner & Sons Co., Lafayette, Ind.  
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Littlefield & Wyman, North Abington, Mass.  
New Pink Carnation, Miss Theo.  
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E. G. Hill Co., Richmond, Ind.  
New Carnations, Also Crocuses.  
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## CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

## CHRYSANTEMUMS

Chas. H. Totty, Madison, N. J.  
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Elmer D. Smith, Adrian, Mich.  
New Chrysanthemum Catalogue for 1916.  
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## COLEUS

Coleus, Golden Redder, Verschaffeltii, Queen Victoria, Firebrand and all leading varieties, including the Pink and Yellow variegated Queen. All plants well rooted. Send for list. Lowest prices for 1000. Cash with order. 20¢ per dozen guaranteed. Send for list. Lowest prices of coleus in the U. S. A. NAHLIK, 201-75 Lawrence St., Flushing, N. Y.

## DAHLIAS

R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.

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Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens. J. L. MOORE, Prop., Northboro, Mass.

## NEW PAEONY DAHLIA

John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to. PEACOCK DAHLIA FARMS, Berlin, N. J.

## DECORATIVE PLANTS

Robert Craig Co., Philadelphia, Pa.  
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Bobbink & Atkins, Rutherford, N. J.  
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Thomas Roland, Nahant, Mass.  
High Grade Plants for Retail Florists.  
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A. M. Davenport, Watertown, Mass.  
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## DRACENIAS

Julius Roehrs Co., Rutherford, N. J.  
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Dracena Indivisa, 3 in. potted, 3c.; 4 in. potted, 6c., well established. Cash please. B. C. BLAKE, R. D. 4, Springfield, Ohio.

## FERNS

John Scott, Brooklyn, N. Y.  
The Home of the Seattle Fern.

H. H. Barrows & Son, Whitman, Mass.  
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A. M. Davenport, Watertown, Mass.  
Boston and Whitman Ferns.  
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Ferns from 2 in. pots, immediate delivery: Boston, 3c.; Roosevelt, 4c.; Teddy, Jr., 5c.; 4 in. Boston, 12c.; 4 in. Teddy, Jr., 15c., extra heavy. Cash please. B. C. BLAKE, R. D. 4, Springfield, Ohio.

## FERTILIZERS

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Wizard Brand Cattle Manure.  
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Copper Solution.  
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**GARDEN TOOLS**

B. G. Pratt Co., New York City.

**GERANIUMS**

R. Vincent, Jr., & Sons Co.  
White Marsh, Md.  
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Geraniums—Ricard, Doyle, Nutt, Poitevine and Chevalier, from 2 1/4-inch pots, immediate or later delivery, \$20.00 per 1000. Rooted Cuttings, \$15.00 per 1000. Cash with order. WM. F. KOENIG, 586 Hamilton Ave., West New York, N. J.

Geraniums—rooted in Silica rock sand. Show a better color and grow better. Let me have your order for Nutt, Ricard, Poitevine and La Favorite, \$12.50 per 1000. Cash. JAMES MOSS, Johnsville, Pa.

GERANIUMS—Sept. and Oct. rooted, for immediate shipment, La Favorite, Jean Oberle, Gen. Grant, Apple Blossom, strong single stem, 2 1/4 in., \$2.00 per 100; branched, 2 1/2 in., and single stem, 3 in., \$3.00 per 100. Cash with order, please. SUNNYSIDE GREENHOUSES, Groton, N. Y.

**GLADIOLI**

John Lewis Childs, Flowerfield, L. I., N. Y.  
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A. Henderson & Co., Chicago, Ill.  
Forcing Gladioli.  
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America bulbs for forcing, 1 1/2 in. up, \$6.00. Selected, \$8.00. Blooming size, \$4.00; 250 for \$1.00. Special price on large order. Write for 1916 Surplus List. BROOKLAND GARDENS, Woburn, Mass.

**GLASS**

Sharp, Partridge & Co., Chicago.  
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Royal Glass Works, New York City.  
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Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

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Peerless Glazing Point.  
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A. T. Stearns Lumber Co., Neponset, Boston.

Pecky Cypress.  
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Lord & Burnham Co., New York City

**GOLD FISH**

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish goods, nets, etc., wholesale. FRANKLIN BARRETT, Breeder, 4815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

**GREENHOUSE CONSTRUCTION**

King Construction Co., N. Tonawanda, N. Y.  
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Florists' Hall Asso. of America.  
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Parshelsky Bros., Inc., Brooklyn, N. Y.  
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Standard hotbed sash, 1 1/2 in. thick, with crossbar, 80c. each; lots of 25 and over, 75c. each. Blind tenons; white leaded in joints. The life of a sash depends on this construction. We GUARANTEE our sash to be satisfactory or refund your money. Glass, 6 x 8, 8 x 10, 10 x 12, or 10 x 14, \$1.50 per box of 50 sq. ft. C. N. ROBINSON & BRO., Dept. 29, Baltimore, Md.

Lord & Burnham Co., New York City.

Foley Greenhouse Construction Co., Chicago, Ill.

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**HOSE**

H. A. Dreer Philadelphia, Pa.

**HYACINTHS**

HYACINTHS 3 colors, 4 in. pots, \$7.00 per 100. PRIMROSES 3 colors, 4 in. pots, \$7.00 per 100. MALACODIES 4 in. pots, 10c. each. VIN. CAS, 3 in., 4c. FUCHSIAS, 2 in., 2c. BEGONIA CHATELAINE, 5 in., in bloom, 25c. CYCLAMEN 4 in. pots, 25c. each. ASPARAGUS PLUMOSUS 4 in. pots, 25c. each. AZALEAS 4 in. pots, 25c. each. GLADIOLI bulbs, \$10.00 per 1000. ROSENDALE GREENHOUSES, Schenectady, N. Y.

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**KENTIAS**

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Horticultural Importers and Exporters  
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R. M. Ward & Co., New York, N. Y.  
Japanese Lily Bulbs of Superior Quality

Joseph Breck & Sons Corp., Boston, Mass.  
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**ONION SETS**

Leonard Seed Co., Chicago, Ill.  
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**In writing to Advertisers kindly mention Horticulture**

**ORCHID FLOWERS**

Jas. McManus, New York, N. Y.  
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Lager & Hurrell, Summit, N. J.

**PANDANUS VEITCHII**

Julius Roehrs Co., Rutherford, N. J.  
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**PANSY PLANTS**

Pansies, the most charming kind, \$5.00 per 100, \$10.00 per 500, \$25.00 per 1000. If I could only show the nice plants, hundreds of testimonials and repeat orders I would be flooded with new business. JAMES MOSS, Johnsville, Pa.

**PEONIES**

Peonies. The world's greatest collection, 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

**PECKY CYPRESS BENCHES**

A. T. Stearns Lumber Co., Boston, Mass.  
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McHutchison & Co., New York City.  
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Seele's Tieless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

**PLANT TUBS**

H. A. Dreer, Philadelphia, Pa.  
"Riverton Special."

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THE CONARD & JONES COMPANY,  
Rose Specialists  
West Grove, Pa. Send for offers.

**SCALECIDE**

B. G. Pratt Co., New York City.

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**SEEDS**

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**SKINNER IRRIGATION SYSTEM**

Skinner Irrigation Co., Brookline, Mass.  
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**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGER & HURRELL, Summit, N. J.

**SPRAYING MATERIALS**

B. G. Pratt Co., New York City.

**STANDARD THERMOMETERS**

Standard Thermo Co., Boston, Mass.  
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**STOVE PLANTS**

Orchids—Largest stock in the country—Stove plants and Crotons, finest collection JULIUS ROEHRS CO., Rutherford, N. J.

**SWEET PEA SEED**

Ant. C. Zvolanek, Lompoc, Calif.  
Gold Medal of Honor Winter Orchid Sweet Peas  
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For page see List of Advertisers**New Offers In This Issue****2,000,000 BEDDING PLANTS FOR IMMEDIATE SHIPMENT.****R. Vincent, Jr. & Sons Co.**, White Marsh, Md.  
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For page see List of Advertisers**THE NUT-GROWER**

The unique monthly publication which furnishes reliable and interesting up-to-date information regarding the value of pecans and other edible nuts and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

**THE NUT-GROWER**

No. 2 Francis St.

**WAYCROSS, GA.****WANTS, FOR SALE, ETC.**

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 147 Summer St., Boston.

**HELP WANTED****WANTED:** Clerk in Florist's store in suburb of Boston. Must have had experience in selling and making up and furnish good references. Reply to P. F., care of HORTICULTURE.**WANTED—First-class, experienced salesman** in large wholesale cut flower establishment "N." care of HORTICULTURE.**WANTED—Bright, intelligent, faithful salesman** in Metropolitan flower store. "N." care of HORTICULTURE.**SITUATIONS WANTED****SITUATION WANTED**—By gardener, single. Fourteen years' experience in greenhouse and outdoor gardening; can furnish best of references. Address F. D., care of HORTICULTURE.**SITUATION WANTED**—By single man experienced under glass and outdoors, both on private and commercial places. For last two years has been in charge of pot plant department of a large concern, where fancy stock is grown. Wishes position as first assistant on large private or commercial place in order to become acquainted with new methods. Never uses liquor or tobacco in any form and a hustler. Best of references; age 26. R., care of HORTICULTURE.**BUSINESS OPPORTUNITIES**

THERE'S a good chance on the Main Line-suburban Philadelphia for a live wire raising and selling flowers. Near station. Two acres, worth \$5000 an acre. Five glass houses (one of them cost \$2000 two years ago), stable, outhouses, horses, wagons and other appurtenances. Also the good-will of a business running successfully for 20 years. In all, counting the site, value 10—the horses, wagons and things, 5—the good-will, 5. I should say \$20,000 the real value. I believe you could buy it for much less right now. Reason: the owner is in bad health and would like to see some live young one take a hold of it even if owner has to give him a bargain. I know something about the business myself—and this is no fake! I think it is a splendid chance for a young man with a little backing. It isn't a case of all cash, so long as the backing is good the rest can be arranged. Address G. C. W., care Pennock Meehan Co., 1614 Ludlow street.

**FOR SALE****FOR SALE**—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money.**PARSHELSKY BROS., INC.**, 215-217 Havemeyer St., Brooklyn, N. Y.**MISCELLANEOUS****WANTED**—To Buy Second-Hand Greenhouse, near Boston; must be in good condition, 15 to 18 ft. wide and 24 ft. deep long. We do the moving. State details and price to TATE MFG. CO., 48 Han-**WANTED TO BUY**—Modern retail place (greenhouses, land, dwelling). State price, amount cash down and terms for balance, size of houses, kind, size of lot, and dwelling and other particulars. Would consider wholesale place with store possibilities. BOX 136, New Market, N. J.**In writing to Advertisers kindly mention Horticulture**

## CLUBS AND SOCIETIES

### GARDENERS' AND FLORISTS' CLUB OF BOSTON

The dinner given in hall last evening, Jan. 11th, was a most successful one, and was well attended by many guests. The dinner was served in the hall, and the entertainment was most enjoyable. Officers were installed, all being present except Vice-president Patterson and Misses Peter Miller and W. C. Rust. Resolutions of sympathy on the death of W. Allen Burbee were presented by the committee. W. N. Craig, Duncan Finlayson and Robert Cameron, Orl. officers' and committee reports were made, Treasurer Craig's report for the year being very pleasing.

Reports of merit on the rose Mme. P. Euler (Prima Donna), and carnation Laura Weber and honorable mention for new carnation Peace, all exhibited by Guttman & Raynor of New York, were made by the exhibition judges. Nine new members were elected.

President Methven announced the following committee appointments: Entertainment committee—George W. Hamer, W. J. Collins, John McIntire, Wm. Mix, Harold Edgar, Wm. Watson, A. E. Eisenhardt, P. A. Gavin and D. J. Crighton. Membership Welcome Committee—John F. Briry, D. J. Reid, J. R. Ness, J. L. Russell, Edw. Rose, John Reid, R. E. Montgomery and Frank Murray. Committee on Exhibits—Kenneth Finlayson, R. Cameron, Jas. Wheeler, Wm. Downs, S. J. Goddard, F. E. Palmer, T. H. Westwood, D. Finlayson, Julius Huerlin, Alex. McKay, Donald McKenzie, A. A. Pembroke, W. H. Judd, Charles Sander and Eber Holmes.

There was a very classy entertainment of music and vaudeville, followed by ice cream, cake and coffee, after which the company engaged in dancing. The sum of \$20 was collected as a New Year's gift for Joe, the ever-obliging janitor of Horticultural Hall.

### HORTICULTURAL SOCIETY OF WESTERN PENNSYLVANIA.

The opening session of the year was held, as usual, in the Carnegie Library. President David Fraser presiding. James Scott, of Elmsford, N. Y., spoke at some length on the important differential points of chrysanthemums grown for private and exhibition purposes, and those raised in view of the commercial output. The latter subject was specially appropriate, as the business meeting which preceded his talk decided definitely to have a chrysanthemum show next autumn. Cultural certificates were awarded to the following: Mr. McNamara, for a collection of vegetables; Mr. Murphy of Sewickley Heights, cyclamens; Neil Forsythe, "Lyndhurst," Spirea Venus. Farquhar's giant pink and white Primulae sinensis and Lorraine begonias; Thomas Edward Tyler, Calanthes, Cypripedium Leeanaum Clinkaberryanum and Odontoglossums.

### Meetings Next Week

#### Monday, Jan. 24.

Florists' and Gardeners' Club of New York, 100 West 42nd Street, New York, N. Y.

#### Tuesday, Jan. 25.

New York Horticultural Society, New York, N. Y.

#### Wednesday, Jan. 26.

American Carnation Society, Annual Meeting and Exhibition, St. Louis, Mo., Jan. 26-27.

#### Friday, Jan. 28.

Connecticut Horticultural Society, 100 State St., Hartford, Conn.

#### COMING EXHIBITIONS.

January 26-27, St. Louis, Mo. Annual convention and exhibition of the American Carnation Society.

March 7-8, Moline, Ill. Annual meeting and exhibition of the Illinois State Florists' Association.

March 25-April 2, Philadelphia. Fourth National Flower Show of the Society of American Florists, Convention Hall, Broad Street and Arch Street, Philadelphia.

April 5-12, New York. International Flower Show of the Horticultural Society of New York and the New York Florists' Club, Grand Central Palace, Forty-sixth Street and Lexington Avenue, New York.

### SOUTHAMPTON HORTICULTURAL SOCIETY.

The annual meeting of this society was held in the court room of the Municipal Building on January 6. The treasurer's report showed a good balance in the bank. The flower show of the past summer was a decided success financially and in all other respects. Election of officers resulted as follows: President, Martin McLaughlin; vice-president, William A. Malcolm; secretary, Herbert H. Wells; financial secretary, James Dixon; treasurer, John Johnson; corresponding secretary, Stanley R. Candler; executive committee, U. G. Agar, Ormiston C. Gardner, George Campbell, William A. Frankenbach, the president being chairman ex-officio. A committee was appointed to make arrangements for the annual banquet which will occur on the evening of Jan. 27th at the Commercial Hotel. Entertainment and music will fill in the time after the dinner is served.

Please find enclosed one dollar, renewing my subscription for HORTICULTURE another year. In regard to HORTICULTURE, will say that it is first-class in its special field, and in particular its market reports are up-to-date and reliable.

Belleville, Ill.

H. C.

### NASSAU COUNTY (N. Y.) HORTICULTURAL SOCIETY.

A well attended meeting of the society was held in the Nassau County Courthouse, Jan. 11th. A resolution on from the National Association of Gardeners, offering to supply essays to be read at our monthly meetings, was unanimously accepted. The subject for this meeting was "Gardening a Profession?" It was thoroughly enjoyed and appreciated. The judges made the following awards: freesias, 1st, Harry Goodbrand; 2nd, Robert Jones; lettuce, 1st, Robert Jones. Primula malacoides, by John Everitt, cultural certificate. James Duthie exhibited six plants of Primula malacoides Townsendii, which were awarded a certificate of merit. This primula, which originated with Mr. Duthie, forms a much more compact plant than the older type, while the individual florets are much larger and the color is a most distinct and pleasing shade of pink. Mr. Duthie reports that the seed of this variety which he has saved and sown comes almost uniformly true to type, the percentage reverting to the old type being so small as to be almost negligible.

Mr. Johnson of R. & J. Farquhar & Co. of Boston, and Mr. Earnshaw of the Bon Arbor Chemical Co., Paterson, N. J., were visitors. The annual dinner will be held at the Oriental Hotel on January 25.

JAMES MCCARTHY, Cor. Secretary.

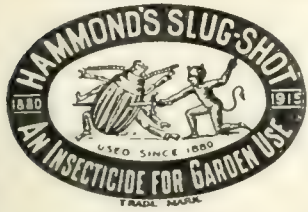
### HOLYOKE AND NORTHAMPTON FLORISTS' AND GARDENERS' CLUB.

The regular monthly meeting of this club was held Jan. 11th at the residence of George Rockliffe, Holyoke, Mass. Aubrey Butler, the newly elected president, presided over a somewhat smaller attendance than usual, several of the members being gripe victims, but there was no lack of vitality amongst those present. After an unusually interesting business session, H. Sinclair of Smith's Ferry gave a graphic account of his experiences in the rose growing department of Poehlmann Bros., Chicago. The club was honored by a visit from S. S. Skidelsky of Philadelphia, who spoke of the forthcoming National Flower Show in that city, and expressed the hope of meeting some of the members there.

### ST. LOUIS FLORIST CLUB.

This club held one of the best, most interesting and largest attended meetings they ever had. The committee which has the coming Carnation Society meeting in charge reported everything in readiness. Prof. J. C. Whitier, of the Columbia University of Missouri, gave the members an interesting talk. There were seven new applicants for membership. The trustees are reported to have a big surprise in store for the next club meeting. Treasurer Smith made a pleasing financial report and the question box brought out some interesting discussions. The next meeting will be held Feb. 10 at 2 o'clock.

## USED BY FLORISTS OVER 30 YEARS



PAN-PACIFIC PRESS ASSOCIATION, LTD.

San Francisco, Calif.

October 16, 1915.

Mr. Benjamin Hammond, Beacon, N. Y.

Dear Sir: The Horticulture Jury, of which the writer was a member, awarded you a Gold Medal for your Insecticides, and when you take into consideration the fact that that Jury, outside of the writer, was composed of some of the famous experts of the world, you will realize the importance of this award. Verification of this may be obtained from Mr. George A. Dennison, Chief of Horticulture, Panama-Pacific International Exposition.

The writer has been requested to furnish a list of the articles which the Jury endorsed by their action in awarding prizes because of merit. This request comes from representatives of foreign countries and states.

Respectfully yours,

Signed: J. A. BUCHANAN, Gen. Mgr.

Pan-Pacific Press Association.

PANAMA-PACIFIC INTERNATIONAL EXPOSITION

San Francisco, Calif.

Division of Exhibits

Office of the Chief

DEPARTMENT OF HORTICULTURE

November 3, 1915.

Mr. Benjamin Hammond, Beacon, N. Y.

Dear Sir: Replying to your letter of October 28th, I wish to say that the Jury awarded Slug Shot, Grape Dust and Copper Solution a Gold Medal.

Yours very truly,

Signed: G. A. DENNISON,

Chief of Horticulture.

**Sold by the Supply Houses of America**  
**BENJAMIN HAMMOND, BEACON, N. Y.**

### CLUB AND SOCIETY NOTES.

The Tennessee State Florists' Association will meet in Nashville, on Monday, January 24.

The Pennsylvania Vegetable Growers' Association held its winter meeting in Reading, Pa., on January 18, 19 and 20.

The Annual Dinner of the Morris County Gardeners' and Florists' Society will be held at Piper's Hotel, Morristown, N. J., on Thursday evening, January 27.

Mrs. Chas. H. Maynard, retiring secretary Ladies' S. A. F., wishes to extend thanks to HORTICULTURE'S Editor for favors during her nine and one-half years' service, also all members who have aided her personally in the work.

E. H. Wilson, of the Arnold Arboretum, lectured on the flora of Japan before the Pennsylvania Horticultural Society on Tuesday afternoon, Jan. 18. The stereopticon pictures and Mr. Wilson's graphic descriptions were enjoyed by a large and appreciative audience.

The Massachusetts Fruit Growers' Association is opening its convention in Boston as we go to press. Fruit growers from all parts of New England will gather at Horticultural Hall this afternoon for the opening session. They will witness an exhibition said to be the largest of its kind ever attempted, and will listen to addresses

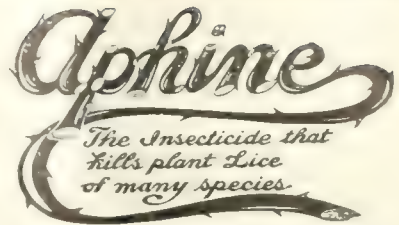
by authorities on the fruit-raising business.

At the seventy-first annual meeting of the Rhode Island Horticultural Society, held in the Public Library, Providence, on Wednesday, Jan. 19, Dr. Burt L. Hartwell, Director of the Experiment Station, Rhode Island State College, lectured on the Chemistry of the Garden, covering such topics as, "How the plant feeds," "How to add plant food to the soil," "The effect upon plants of certain chemical elements," etc.

The Missouri State Horticultural Society held its annual meeting at the Planters Hotel, St. Louis, on Jan. 12, 13 and 14, with a good attendance. Thursday, the 13th, was Florists' Day, and the local florists came in goodly numbers to listen to interesting papers by Jules Bourdet, W. W. Ohlweiler, A. Jaenicke, H. C. Irish and Frank Weber, all members of the Florist Club. At the election of officers H. C. Irish was chosen president.

On the 13th inst., Alfred Flowers read an interesting paper before the New London Horticultural Society on the Principles of Transplanting, which was followed by a big discussion on the best way to move large trees. Treasurer S. L. Ewald gave a report on the expenses and receipts for the past year which showed a good balance. The secretary announced that Chas. H. Totty, of Madison, N. J., would speak on hardy chrysanthemums at the next meeting, Feb. 10.

H. E. L.



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$2.50.

### FUNCINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.

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A soil sterilizer for cut, eel, wire and angle worms.

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For San Jose and various scale on trees and hardy stock.

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GEO. A. BURNISTON  
President

M. C. EBEL  
Treasurer

Whitefield, N. H.—At the annual meeting of the shareholders of the Coos and Essex Agricultural Society, last week, it was voted that the directors be instructed and empowered to build a new floral hall of such dimensions as in their judgment would be necessary.



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For Spraying

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Pot Makers for a  
Century and a Half**HEWS****STRONG  
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POROUS****POTS**

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World's Largest  
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.  
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue  
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NEW YORK, N. Y.**DREER'S "Riverton Special" Plant Tub**

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10 20 in.	\$1.45	\$14.00 \$130.00
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Manufactured for us exclusively. The best tub ever introduced. The most lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have trap handles.

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Hot Bed Sashes

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**PARSHELSKY BROS. Inc.**  
215-217 Havemeyer St., Brooklyn, N. Y.**KING**The name that assures "the  
most for the money" in**GREENHOUSES**Write for Bulletin No. 47  
and you will see why**KING CONSTRUCTION CO.**  
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On Ventilating Apparatus and Green-  
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**ADVANCE CO., RICHMOND, IND.****SKINNER  
SYSTEM**  
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Florists ask for information re-  
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Nozzle. Greater spread, which  
means less pipe.**THE SKINNER IRRIGATION COMPANY**  
33 Station St. Brookline, Mass.**GREENHOUSE  
GLASS**Double and single thick selected  
glass all sizes from 6x8 to 16x24.  
Ten boxes or more at wholesale  
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120 Wooster Street, NEW YORK CITYGREENHOUSES BUILDING OR CON-  
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200 ft. house.North Vernon, Ind.—Warren Huckle-  
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Storer street, range of houses.Burlington, Wis.—Burlington Floral  
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fast work is only to be equalled by  
our reputation for fine work, and the  
particular feature of our service is,  
that we can give both at the same  
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efficiency of our methods, but also to  
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1365-1379 Flushing Ave.,  
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Gentlemen:

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Very truly yours, ALBERT M. HERR.

The actuating element of the Standard Recording Thermometer is of lamina metal which, besides being extremely sensitive to temperature changes, is practically indestructible. Record charts are furnished either daily or weekly, and the whole mechanism is contained in an attractive metal case fitted with lock and key, which insures the record from being tampered with.

The clock movement is of extremely high grade; everything about the instrument is up to the highest possible standard of manufacture.

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### STANDARD THERMOMETER CO.

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Supply of charts, specially prepared recording ink furnished with each instrument.

CHART 8" DIAMETER  
Price, \$25 00  
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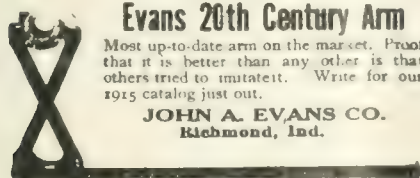
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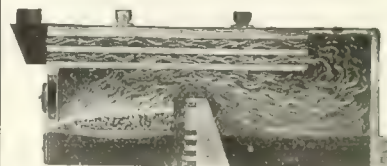
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Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

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Geo. L. Schuneman  
in his Sweet Pea  
House at Baldwin,  
L. I. It is our Re-  
constructed Con-  
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William Ashe among  
his Tomato Vines, at  
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struction house last  
fall.

**H**APPILY for the bank balances, the flower growers are going over into the preserves of the vegetable men, and walking away with nice clean profits.

We say, happily, because it has resulted in a decided improvement in vegetable growing, and brought about improved market conditions.

The florists' training having been along the lines of that constant care and ever-alertness necessary to grow successful flowers; brings to the growing of vegetables that same handling.

Quality, as a result, has greatly improved.

With the advent of the long-stemmed varieties, the beautiful long-stemmed sweet peas jumped into instant demand.

To fill the houses with a crop on the off-peak-months was the problem. Tomatoes, thriving as they do, in direct planting, proved to be just the thing.

Of the growing conditions required by both these subjects, we have made a most painstaking study, resulting in our building several houses that have proven a great success.

Our Reconstructed Construction seems to be particularly adaptable for the purpose.

At no expense, you are welcome to take full advantage of our experience.

We have a notion it will save you many a dollar.

You know we go anywhere for business, or to talk business.

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Vol. XXIII

No. 5

JAN. 29

1916

# HORTICULTURE



Carnation Cottage Maid

Grown by Cottage Gardens Co., Queens, N. Y.

# Burpee's Seeds Grow

## Burpee-Quality Seeds Help Solve the Market Problem

It is our pleasure to record a greatly improved market condition, and we confidently predict that 1916 will prove a most prosperous season for the Market Grower.

Many causes contributed to the unsatisfactory vegetable market of 1915, and it is also true that these same causes created a most profitable market for Staples, such as Wheat, Corn, Oats, etc.

During 1915 we attended many meetings where market growers gathered to formulate plans to overcome the then prevailing unfavorable conditions. Much good resulted from these conventions, as they have proved beyond question that inferior produce in large quantities, dumped without thought of quality or condition, has done more to demoralize the markets than any other factor.

The discussions at these meetings have brought the invariable conclusion that Quality Produce did sell—and sell well—at the highest price obtainable.

Quality Produce can no more be the harvest of inferior seed than high-bred cattle can be the product of inferior or diseased stock.

Burpee's Seeds are known the world over as the American Standard of Excellence. When you buy Burpee's Seeds the element of doubt is removed so far as is possible by human care.

A careful canvass of our Market Grower friends has brought this answer: "Yes, we certainly grew first-class crops from Burpee's Seeds."

The conclusion is inevitable: Burpee's Seeds grow Quality Produce, and Quality Produce brought good prices. Burpee's Seeds help solve the market problem.

Did you use Burpee's Seeds in 1915? If not, we earnestly solicit your orders for 1916. The profit is mutual.

Burpee's Annual for 1916, our complete retail catalog of 182 pages, has already been mailed. If you have failed to receive it, please write us at once and a duplicate copy will be forwarded.

Sincerely yours,

Burpee Buildings.

North Fifth Street,  
York Avenue and  
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*W. Atlee Burpee & Co.*

Seed Selection Gardens and Trial Grounds at our famous FORDHOOK FARMS, Pennsylvania, SUNNYBROOK, New Jersey, and FLORADALE, Lompoc, California  
Philadelphia, January 1, 1916.

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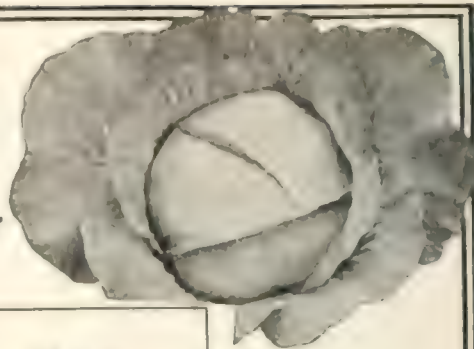
**Burpee's Blue List for 1916,**  
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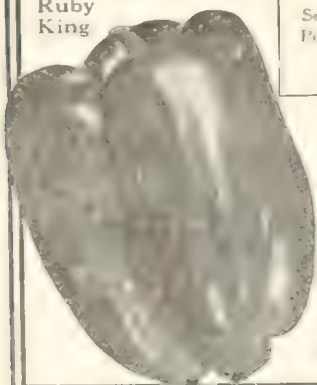
Cabbage,  
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Allhead  
Early



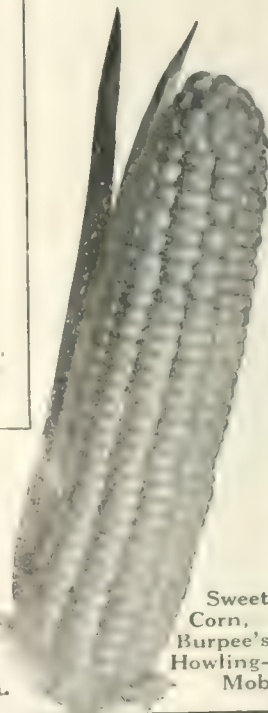
Fordhook  
Bush  
Lima



Beet.—  
Burpee's  
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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—Pope.

## Carnation Cuttings

Cuttings should be taken in the morning while they are fresh and crisp. Dip them in cool water and trim up in a cool place. Insert as soon as possible in the propagating bench. Spray lightly early every bright morning to keep the foliage moist during the day, but try to have it dry by night. Before potting harden them up a little by gradually giving more sunlight each day, until the roots have pushed far enough to enable them to stand full sun. Cuttings thus treated will take hold much quicker as there will be less wilting after potting. As soon as a cutting is well rooted it does not improve by remaining in the sand any longer. Use new soil that has been exposed to the action of the weather. Screen through a half-inch mesh and it is important to have it moist enough. Pot firmly and water thoroughly as soon after as practical. Shade for a few days and then give full sunlight.

## Chrysanthemums

It may seem quite early to begin propagating, but where there is any intention to grow show blooms or plants now is the time to begin. Again it is not at all unusual for a new variety to be condemned the first year because the buyer has propagated it late and to the utmost limit, and the plants have not had a chance to prove themselves. Stock plants of the older varieties should have good care to assure good stock when the main batch needs to be propagated. Plants cannot be expected to throw healthy cuttings if they are hidden away from the sunlight. Stock plants should be brought up to the light at once, even if you have to throw something else out. As soon as the cuttings have roots half an inch or so in length get them out right away and pot into soil. Many cuttings are permanently weakened by being left in the sand and allowed to make a weak, attenuated growth and long spindly roots.

## Odontoglossums

Plants that have not yet been repotted should be attended to without delay. There is no question that autumn potting is the best. A good compost is fern

fiber and live sphagnum chopped, with some charcoal intermixed. Be careful as to watering until they make new roots into the compost. Give plenty of air, but avoid draughts. Of course judgment will have to be used as to outside conditions in giving air. Syringe on bright days, but take care in dull weather not to have the atmosphere overcharged with moisture. Better keep a little more fire heat so as not to entirely cut off ventilation, or produce a stagnant atmosphere. The temperature through the winter should range about 50 at night and 60 to 65 with sunshine. They will stand as low as 45 degrees without injury, but less water and syringing should be given under such circumstances.

## Stock Left Over

Stock left over from the holidays will need attention right away, especially that needed for stock for another year, such as poinsettias. Provide stock plants of these by lifting with as much of the soil adhering as possible and set closely packed in boxes, covering the intervening bare spaces with soil from the bench. These should be rested under a somewhat dry warm bench until March or later. Save as many stevia plants as will be needed, cut down and place in a light cool house for future cuttings. Azaleas should be placed in a very cool, light house. Anything above the freezing point will do. See that at no time they are allowed to get extremely dry. Ericas will take the same treatment. All such flowering plants as Begonia Lorraine, cyclamen and primroses should be given the minimum temperature with plenty of ventilation until sold, but if the stock is unsalable don't let it occupy valuable bench room.

## Solanum Cuttings

Berried solanums make a very fine Christmas plant. Now is the proper time to work up a nice lot of stocks for the next holidays. They will root in any moderately warm propagating bed. When rooted, pot into 2½ or 3-inch pots. They can be grown on in a temperature of from 50 to 55 degrees at night. See that they have plenty of sun and syringing on all good days.

Next week: Carnations, Foliage Plants, Cactuses, Lily of the Valley, Begonia, W. C. C.

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## ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur Ruzicka*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

### Keeping Well

Although some of the growers will be careful to keep their roses and other plants in perfect health all the time, they are none too careful in taking care of themselves. With an epidemic of grippe all over the country greenhouse men can be none too careful. The main thing in the greenhouse is to keep the feet dry and as it is very difficult to syringe in rose houses and stay dry, all wet clothes should be removed as soon as the work is done, and clean dry clothes put on again. A good deal of suffering from rheumatism can be avoided by keeping dry. Never run outside, or go home through the cold with wet clothes on. Do not dress too warm while in the greenhouses, but make sure you wear sufficient clothes while out. These few lines may not be rose growing but a week's confinement with grippe may cost the grower heavily in real good money through harm to roses. This may be found so especially among the smaller growers.

### Feeding

With February here, and the days getting longer there will be little danger from overfeeding, as the plants will feel the spring as much as anything and will grow very fast if they are given half a chance. Liquid manure can be used at least once a week, and if the plants are especially robust and growing real good, twice a week will do no harm. Tankage, sheep manure, and other fertilizers can be used in addition to the liquid manure, the only thing to caution against being not to have the houses get too warm mornings. The sun will be much stronger from now on and will heat up the houses much quicker than during the short days of December. See that the houses are aired on time in the morning, and that the heat is taken off as soon as they are warm enough.

### Mulching

Be sure to see that the plants are kept mulched all the time, so that there will be no bare earth exposed to the rays of the sun anywhere. Plans that are allowed to suffer in this respect will not do so well, for they will at times have trouble getting all the water they need, and the rays of the sun will kill a good many tiny rootlets which fill the surface of the soil and supply a large portion of the plant food. It will not be necessary to have the mulch very thick, and it should never be broken up too fine. Lumps about the size of walnuts are ideal, as they allow all the water to soak in, and will also let all bone, tankage, etc. drop between them to the tiny roots which these lumps protect. Cow manure makes ideal mulch, but where none is to be had, coarse sods chopped up to the proper size will do. These if spread evenly over the benches will keep the soil from washing around when the plants are watered. To save time it is necessary to use a little more pressure than was customary, but with the benches protected by prop-

er the soil, it can be done without any harm to the plants.

### Lime

As soon as the leaves on any of the plants become very soft and with a sickly yellow color, it means that they have been over watered and will be greatly helped by a dose of lime and a little drying out. Use fresh air slacked lime, and no agricultural lime or ground limestone. There are so many different kinds of lime sold under "agricultural" that the only way to know what is what would be to have the manufacturer guarantee the material, and then have it analyzed at some experiment station. We like to use the common lump lime which comes packed in barrels. We buy three or four and dump these into a box made for the purpose on a platform in the manure tank. The damp air here will slack the lime naturally and we have all we need as a rule without slacking any. Should it not slack fast enough, a can of water sprinkled over it will do the trick. The amount to apply to the benches should not be excessive. Enough to whiten the surface of the benches will be plenty. This can be watered in at once or allowed to lay on the benches for a little while. If allowed to lay there it will cake and the plants will not get all of it at once. It will be necessary to go over the benches and scratch these caked places up so that they will not keep air and water out of the soil. If the grower is careful the plants will not be allowed to get bad, and taken in time, it will be an easy matter to get them back into their proper condition. As soon as the plants show signs of improvement, a little more water, and a little more plant food will send them right along.

### Bonemeal

Unless the old soil that comes out of the greenhouses can be used to good advantage, or the plants are to be run over, we would not use any more bonemeal from now on, as the plants will not get the full benefit of it. We would prefer to use tankage sheep manure, or any of the quicker plant foods, as the roses are sure to get most of the food that there is in these. Use bone only for the potted plants when potting, and on benches that are to be run over, without transplanting.

### Some Rose Troubles

MR. RUZICKA,

Dear Sir: I wish to ask your advice again—about my rose house this time. This house is exposed to the north-east and is on very high ground. I have always had some trouble with the roses on one of the benches, and am led to suppose that it is due to one or more of the following causes: (a) The bench is too warm owing to its being sheltered by the palm house, being on the main direct flow from the boiler, and the brick wall at the back which reflects the sun, and the plants become too soft; (b) the ventilator being on one side only, too much cold air gets in in some directions of the wind. Can you tell me of a rose, preferably a white one, that will be likely to do bet-

ter in this bench than White Killarney? Possibly some of the older sorts, like The Bride or White Ivory. I want to say that the mildew is not bad at all, but this is where it always starts. I have to grow a general line of plants and cannot give any one variety my entire attention, but am happy to say that by following your weekly notes I have been greatly helped, and shall be grateful if you can help me in this difficulty. If there is a White Sunburst or White Ophelia, it would just suit,  
 Conn. Very truly yours,  
 J. E.

I would suggest that you try to give the Killarneys more water. Water them two times for every watering that the other roses get. My experience with Killarneys is that they will get a speck of mildew here and there as soon as they are allowed to be a little dry while they are growing. The bench they are in would be the driest in the house if your house behaves as ours of a similar type. You can also use air-slacked lime to find out which way the air currents run, and if you find that a cold current of air descends on this bench you could turn your heat into pipes under this bench, and if necessary take it off elsewhere in the house to change the current if possible. If this does not remedy the trouble, perhaps it would be well to try some other white rose. The Madison is a white rose, an improvement on the Bride as near as I can tell, having a bud very similar, with a stiffer stem and foliage, the latter resembling holly, but of course it is nowhere near as heavy. It is supposed to be mildew proof so it may be of value to you. I would hardly recommend the Ivory, as years ago we could never get it to bear perfect buds. You could try White Shawyer; although many growers complain of mildew on this we have grown the Pink Shawyer for quite a while without any trouble. There is no white Ophelia that I know of and anyone discovering one with all the good qualities of the present variety, would certainly be able to make a neat sum of money. The rose Madison was put out by the Brant-Hentz Floral Co., Madison, N. J., and the White Shawyer by Charles H. Totty, also of Madison, N. J. I would be glad to hear if these suggestions have been of any use to you.

## Buddleia

The Buddleia is an excellent subject for the young shrub border. It will transform an otherwise uninteresting border to a gorgeous mass of color and beauty. It has been called "the butterfly bush" and it has been justly called so, for its numerous panicles of flowers are irresistible to the butterflies.

The propagation of the Buddleia is of the easiest possible. All that needs be done is to cut off pieces of the ripened wood in late fall and store them away in a cool, but not cold place. They may also be propagated by seeds and by greenwood cuttings. Seeds should be sown in early spring with a little bottom heat.

They should be protected during the winter and, although killed to the ground, they will send up abundant young shoots from the roots in the spring. The best varieties that will survive the winter here are B. japonica, B. Davidii, B. Lindleyana, and B. intermedia. The handsomest outdoor variety is B. Davidii, also known as B. variabilis. This produces numerous, fragrant, lilac-purple flowers in late summer. A variety of this—Veitchiana—is more commonly grown. While young this variety has an erect habit of growth, but later the branches gracefully arch over. The flower panicles are denser and larger than the type and of a light lilac color. It begins to bloom early in August.

Do not plant them too close together for they are rampant plants and need lots of space and plenty of sun. The best soil is one that is rich and well-drained.

B. asiatica is a greenhouse variety. The flowers are white and very fragrant and appear in winter. They should be propagated early in the spring and shifted on or planted out during the summer.

B. E. Wilson

## Jackson Dawson's Exploits

Editor HORTICULTURE:

Sir,—When your last issue arrived, and the portrayal of *Magnolia salicifolia* appeared on the outside cover, the story of its introduction came to mind at once, and on opening the pages there was Jackson Dawson being vouched for by Mr. Wilson.

To fully appreciate the work of the Arboretum, one has to go away—the farther the better—for it had become a by-word in the past, that the Institution was far more appreciated abroad than at home, and the pity of it is, that it was true. The not being in touch with the work through distance, makes at least an annual pilgrimage all the more necessary, for the wealth of new woody plants now to be seen there will revolutionize our gardens for generations to come.

Reverting to the *Magnolia salicifolia*, Professor C. S. Sargent when in Japan, met Mr. Veitch, and they travelled together and gathered seeds. Among these was this *Magnolia*, none of which germinated from those sent to England, and so all the plants in cultivation today are from seedlings raised by Jackson Dawson. These men mentioned are making horticultural history, and should the annals ever be written, it will be the most interesting of our day and generation.

There is one phrase which Mr. Wilson uses, that Dawson has "some occult understanding," that might be taken exception to. There is no wizardry or necromancy such as we have heard so much of in other directions, mixed in; it is all pure sympathy and a love of the plants themselves that has brought about the successes of Jackson Dawson. One might tell of the *Acacia pubescens* grafted by him just to prove it could be done when it was supposed to be impossible, of his success with all the new Chinese *Rhododendron* seeds, that had travelled half way around the world before coming to his hands, and under the best of conditions ever prone to damp off in the seedling stage, and of his propagation of *Epigaea repens* from cuttings when most of us were wasting time trying to establish the "Mayflower" by collecting plants, but most of all Dawson will live on because of his modesty, and willingness to impart to others from his fund of accumulated knowledge if they were willing to learn. "Life is short," and when over twenty years ago Dawson advised the writer to sow seeds of certain trees and shrubs to get the same, there being no other way at that time, it seemed a long way to results, and yet under really adverse conditions these are still being obtained by the evergreen Jackson Thornton Dawson.

Lake Forest, Ill.

E. O. Orpet

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 After  
 twenty five  
 years

After twenty five years that a similar event in a previous issue of *St. Louis*, the twenty-fifth annual meeting of the American Carnation Society. The twenty-five years that have elapsed since the memorable annual meeting at Philadelphia seem, to doubt, a long period to the younger followers of the fortunes of the "carnation flower," but to those who were present or interested in that event, the time seems not long and the changes that have taken place in the personnel of the Carnation Society's active adherents seem disproportionately great. Of the signers of the original call, over seventy-five per cent. have either passed into the great beyond or have lapsed into oblivion, so far as carnation activity is concerned. The American Carnation Society's history is a record of usefulness and we hope to have the pleasure of seeing it still prosper for another quarter century.

A  
 progressive  
 document

President Joe Hill's address at the St. Louis meeting of the Carnation Society is an admirable document and should be carefully read and its sentiments and advice taken to heart by every one engaged in the carnation industry. Especially will it be well to thoughtfully consider the intimation that a revival of serious purpose, unselfish devotion and some sacrifice of personal interests, is in order if the present generation are to creditably emulate the zeal and achievements of the Society's pioneer workers. There is an undercurrent of suggestion in Mr. Hill's earnest appeal that the carnation specialist must bestir himself if his favorite flower is to hold its relative position in the commercial flower markets under the increasing competition of alert rival interests, and direct practical advice on how best to proceed is not lacking. President Hill evidently believes in the old proverb that standing still is dangerously near to retrogression.

To break  
 up a bad  
 habit

The remarks of F. J. McNeil at the meeting of the Massachusetts Fruit Growers in Boston, last week, on the iniquity of the sending out of nursery stock not true to name, struck a responsive chord among his audience and there is no doubt that the plan of publicity for offenders as proposed by him would prove a salutary remedial measure. Florists, too, have suffered from the same trouble as the nurserymen complain of but perhaps to a less degree for many classes of florists' stock are more easily distinguishable as to varietal character and the time wasted before the discovery of a substitution is not, as a rule, so long as in the case of fruit varieties. Previous to the organization of the Society of American Florists it was alleged that fraudulent substitution was very often practiced by florist plant dealers, but the agitation and demonstration which the S. A. F. kept up for years brought about an unanimity of sentiment and a degree of vigilance coupled with uncomfortable publicity for offenders, which has had a very wholesome effect. For this moral and material improvement the S. A. F. has been the primary motive power.

# HORTICULTURAL SPORTS

The bizarre, garish, unconventional individuals that are referred to among humans as "sports" have their counterparts in the plant world. One may be introduced to you by a friend, the other by a nursery catalogue. You will find that some have a thin veneer of color or an eccentricity of form or action that may be very amusing, but that have no real merit or permanent value; while on the other hand there are some sports that have such substantial and worthy qualities that they find a permanent place of honor among your friends, or in your gardens and landscapes.

It is to certain of these plant sports that we shall hereafter refer, such as the purple, golden, cut-leaved, pyramidal, table-form, table-topped, and weeping forms that have developed among species of Beech, Birch, Maple, Elm, Catalpa, Elder, Hazel, Dogwood, Pine, Hemlock, Spruce, and other groups. These have become pretty well established in nurseries, gardens, and lawns, by reason of their vigor, health, distinctive foliage, or habit of growth. They have been mostly used, however, as specimens, or to give brilliant spots of summer color in the conventional patchwork quilt shrub plantations, not as elements of broad landscapes.

Before considering their use in landscapes we should recognize that such sports are not always fugitive accidental freaks that can be reproduced only by grafting or by cuttings. It has been found, for example, that the seedlings of a conspicuous specimen plant of Wier's Cut-leaf Maple, Purple Beech, or Golden Spirea will produce so large a percentage of cut-leaved, and purple or golden offspring, that the progeny of an old seeding plant would be likely to establish in time a wide-spreading distinctive group, in which there will be much foliage like the parent, and color transitions due to variations in seedlings, and these would gradually merge the group into the surrounding trees. The Purple Barberry has already escaped from cultivation, and made these distinctive groups in open pastures.

Much of our broad landscape beauty comes from the deep shadows and the high lights of hill and valley, and of foliage as seen under various atmospheric moods. Individual trees count but little in distant landscape. It is the mass that counts effectively in foliage color and in outline, as shown in the contrasts between the spired cone-bearing evergreens and the rounded outline of deciduous foliage, or the towering Lombardy Poplars; or again between the dark and solid masses of the Burr Oak foliage, the flickering and glistening sparkle of the Aspen Poplar or the Silver Poplar, or the soft, fleecy, grayish foliage of the Willows.

The really worthy sports of the vegetable world may well have a place that has never been given them in broad landscapes that are seen from a distance. The deep shadows in the valley, or at the ends of a long vista might be given greater emphasis by

the use of such long-lived vigorous forms as the Purple Beech or Purple Maple, that are used in principal masses and outline groups with a suitable backing, flanking, and interlacing of dark green foliage that would merge the purple into the surrounding landscape, to give the deeper shadows and not be unpleasantly obtrusive.

At other points the high lights of the landscape in glades through vistas or under arching trees may be given greater emphasis and brilliancy by the use of such plants as the Golden Elder and Spirea, or the Golden Poplar and Hop-tree.

The cut-leaved form of the Birch, Beech, or Maple would give a distinct variation in the texture of the foliage, as seen from a distance, if a sufficient quantity were used to count effectively, and they could be very properly associated with the type.

There are many places where it would be very desirable to establish a ground cover that will not grow high enough to interfere with the view, that will have good healthy foliage, and that can be more readily kept in restraint than can be most vines. Why should we not use the Weeping forms of the Mulberry, Mountain Ash, Elm, Beech, Dogwood, Pine and Spruce for such a purpose? Some of these forms, such as the Weeping Mulberry and Camperdown Elm, are trailing sports of upright trees, with little tendency to form a leader. They are usually grafted on high stems to make them suggest the umbrella-like form.

Other varieties, like the Weeping Beech and the Norway Spruce, have a distinct tendency to make a leader. Such forms, grown on their own roots, or grafted so low that the graft can be buried in the ground, to form roots above the union, would have a tendency to scramble over the surface. As such plants as the Mountain Ash and the Mulberry have fruit that the birds like, they would help to form the ideal bird cover. One can conceive of an exceedingly interesting and attractive phase of landscape so treated, for there is enough variation to give high and low foliage masses.

There are other places where the cushion-shaped trees, such as the Dwarf Catalpa, the several dense forms of the Norway Spruce and American Arborvitæ, could be massed together to form a distinctive landscape treatment of this type.

Is there any more reason why the brilliant crimson coloring of the Schwedler's Maple should not be used to give color effects in a large way in the spring, as we now secure color effects from the Maples, Tupelos, Sumacs, and Birches in the fall? These are all interesting propositions for those who have the courage to break away from the conventional use of material; but they must recognize the danger of such suggestions, because it will be very easy to produce a garish and disordered effect in landscape, just as is now produced in so many gardens and lawns when too much color material are used.

WARREN H. MANNING

## BRITISH HORTICULTURE.

### Retrospective.

In reviewing the trend of horticultural matters in Britain in 1915 it is not necessary to adopt the pessimistic attitude taken by many writers in the British yellow press in discussing the present outlook. Although everything has not been normal there is consolation in the fact that the position of affairs might have been worse. The Royal Horticultural Society has certainly done its best to keep things moving. Except for a short period when the society's hall was in the possession of the military authorities the fortnightly shows, always a popular feature amongst the world of fashion, have been continued, and have attracted the usual amount of attention. Despite the fact that the nurserymen have had their staffs seriously depleted by the call to arms, they have done their utmost to maintain the high standard of the exhibitions. The society rendered a timely service in appealing to the public not to neglect their gardens during the present crisis, with a view to obviating a grave decline in the trade of the nurserymen and seedsmen. The importance of paying increased attention to the raising of vegetable crops, in order to add to the home food supplies, has also been emphasized. The Council has likewise sought to give opportune and much needed succor to the unfortunate Belgian nurserymen and seedsmen who are amongst the victims of ruthless invasion. Practical sympathy has in addition been afforded to the agriculturists of Serbia. In fact the Royal Horticultural Society has rendered a memorable service, maintaining its proud name as the valued helper of horticulture, and in doing this has taken a broad view of its duties. Useful work is still being done by the National Rose Society, which was able to hold successful exhibitions, the National Chrysanthemum Society—temporarily deprived of its usual show place—the National Dahlia Society, the National Sweet Pea Society, whose trials are still a very useful adjunct, the Perpetual Flowering Carnation Society, and the other special societies. In some instances there was, as might be expected, a falling off in the number of exhibits, but in every case the committees have shown a firm determination to adhere to the prevalent motto, "Business as usual."

### Jottings

At the annual meeting of the Perpetual Flowering Carnation Society, officers were elected as follows: President, Lord Howard De Walden; chairman of committee, J. S. Brunton; vice-chairman, Mr. Wallace; treasurer, L. J. Cook; secretary, T. A. Weston, Orpington, Kent; show superintendent, E. P. Jones.

The British Government has prohibited the import of lilies of the valley from Holland, it being suspected that many of the so-called Dutch pips were really of enemy origin. Before the war many tons of crowns were imported from Germany.

The Royal Horticultural Society has arranged to conduct trials at its Surrey gardens with late potatoes, godettias, annual carnations, Indian pinks, mignonette, larkspur, sunflowers, mid-season pears, tomatoes, celery, celeriac,

W. H. ALLEN

# AMERICAN CARNATION SOCIETY

## Twenty-fifth Annual Meeting and Exhibition Held in St. Louis January 26th and 27th

The twenty-fifth annual meeting and exhibition of the American Carnation Society was held at the Planters' Hotel, St. Louis, Mo., on Wednesday and Thursday, Jan. 26 and 27. The meeting was well attended and opened with much enthusiasm. Mayor Kiel of St. Louis, cordially welcomed the society in a pleasing address and was ably responded to by C. S. Strout of Biddeford, Me. President Joseph H. Hill presented his address as follows:

### ADDRESS OF PRESIDENT JOSEPH H. HILL.

Ladies and Gentlemen—Members of the American Carnation Society:

As your presiding officer I bid you welcome to this our 25th annual meeting. Just a quarter of a century ago in the good, old Quaker city of Philadelphia, a small body of earnest carnation enthusiasts saw the possibilities of the flower from which we derive our name, and issued a call which was sent broadcast over the land. All who were interested in carnation growing were invited to join them in organizing a permanent society. With your permission I will read their call of 1891:

"We, the undersigned, do hereby call for a meeting to be held at Horticultural Hall, Philadelphia, on Wednesday, January 26, 1916, at 2 P. M. for the purpose of organizing a permanent society for the promotion of carnation growing in America. All those who are unable to attend kindly send their names for enrollment. The object of this society shall be to benefit Carnation Growers and to advance the popularity of the Divine Flower so that it shall stand second to none. Let us all step to the front and put our shoulders to the wheel."

Signed: C. W. Ward, Geo. Creighton, C. E. Allen, Wm. Swayne, R. T. Lombard, Fred Schneider, Chas. T. Starr, C. J. Pennock, Geo. Hancock, A. M. Herr, Ed. A. Scott, W. B. Lonsdale, J. M. G. Allen, W. L. Allen, M. B. H. E. Chitty, Isaac Larkin, Edwin Lonsdale, W. B. Lonsdale.

From every section of the country, East, West, North and South, came applications for membership and at the close of that memorable meeting in Horticultural Hall there were enrolled 49 staunch champions of our fair flower. And thus was conceived and ushered into existence The American Carnation Society.

It is fitting to mention at this time the name of Mr. Edwin Lonsdale, the first presiding officer of our body. During the past year he has answered the call and leaves a place in the ranks that is difficult to close. It is with



J. P. AMMANN

President-elect, American Carnation Society  
regret and sadness that we are compelled to note the dropping off one by one of the Old Guard of pioneer florists to whom we all owe so much.

Now, gentlemen, are we, after an elapse of 25 years, putting the same amount of push and of strenuous effort into the work of our Society as did the charter members? Are we carrying forward the work cut out for us with the same earnestness and unity of purpose that marked their early endeavors? To accomplish our work and to keep up interest in the Society it is necessary for us to attend its conventions and its meetings, even though to do so means a personal sacrifice. Wm. Scott once said at a carnation meeting: "These conventions are productive of the greatest good; we learn to know each other better, and one of the greatest pleasures of life is an exchange of ideas with our intelligent fellow man." It is a noticeable fact in our profession that the man who attends conventions, flower shows, and associations of florists, is the man who is successful and progressive in his business.

Your president would suggest to the Society that we adopt a badge of neat design to be worn at our conventions upon which can be written the name of the wearer. In this way we can more readily identify one another and get acquainted. This method was used at the Cleveland Flower Show last fall with success and satisfaction to all. Our Secretary has suggested that we

print the name of individual address on each of our exhibits after the judges are through with their work. It is true that in rearranging the vases the cards are often lost or misplaced on some one's exhibit. We invite the Society's deliberations on this point.

The cardinal principles of this Society are to materially benefit carnation growers and to advance the popularity of the carnation. To do this it is absolutely essential that we co-operate, if so requested, with any well-managed flower show, and towards this end the following are given by your presiding officer as suggestions:

1st. That any flower show management desiring our support must give us a positive guarantee that the premium money in the carnation section will be paid to exhibitors.

2nd. That the exhibition management choose two from our list of duly elected judges to serve with the third, who may be selected by them without restriction. Poor judging by inexperienced men tends to make dissatisfied exhibitors and consequently reduces the number of entries at succeeding shows.

3rd. That they be allowed to use the Society's vases with the understanding that they reimburse the Society for all loss and breakage and pay all the expense for packing, carriage, etc. These simple rulings will safeguard the Carnation Society. Let us resolve to lend a helping hand to all flower shows no matter where held, and dismiss the idea of self-aggrandizement from our minds and let us exhibit with the definite idea of bringing the carnation out of the background, and of putting it on the same high plane as the rose and the popular chrysanthemum.

It is an admitted fact that in most parts of the country the carnation is marketed in a crude way as compared with the rose; the idea seems to prevail in many quarters that a carnation is a carnation regardless of variety, but it is not so with the up-to-date commission merchant; he knows the different varieties by name and can explain to the buyer why one variety has a higher market value than another or vice versa; so can the live retailer, and he in turn advises his customers to select the kinds that have texture and that last and give satisfaction.

It would seem that the grower is in a measure responsible for the fact that some of the largest retailers sell a comparatively small quantity of carnations because the grower insists on holding to the idea of quantity instead of quality. Stock that will not hold up in the retailer's display case will surely hurt the cause of the carnation generally.

To the grower who depends upon figures for facts the apparently shy blooming varieties sometimes exceed in money returns the prolific kinds with their serious shortcomings. Let the

# "Get them at Dreeer's"



FANCY-LEAVED CALADIUMS

## Superior Tuberous - Rooted Begonias, Gloxinias and Fancy-Leaved Caladiums

We are pleased to state that the Tuberous Rooted Begonias and Gloxinias which we offer this season are bulbs of superior quality which have again been grown for us by the same Belgian expert and specialist who has been supplying us for more than a quarter of a century and with the quality of which our customers are acquainted.

### You May Buy Cheaper, But Not Better Stock

	Doz.	100	1000
Begonia, Single Varieties to Color. Scarlet.			
Crimson, White, Rose, Yellow, Orange.....	\$0.40	\$2.50	\$22.50
Begonia, Single Varieties in Choicest Mixture. .35	2.25	20.00	
Begonia, Double Varieties to Color. Scarlet,			
Rose, White, Yellow, Crimson.....	.60	4.50	40.00
Begonia, Double Varieties in Choicest Mixture .50	4.00	35.00	
Begonia, Double Fringed Varieties, New.			
White, Scarlet and Rose.....	1.50	10.00	90.00
Begonia, Single Frilled Varieties. Scarlet,			
white, Pink and Yellow.....	.85	6.00	50.00
Begonia Zeppelin .....	1.25	8.00	70.00
Begonia Lafayette .....	1.50	12.00	
Gloxinias. Blue, Red, White, Blue with White			
Edge, Red with White Edge, or Finest Mixed. .60	3.50	30.00	
Gloxinia, New Emperor Varieties. Hybrida			
Imperialis. Choicest Mixed.....	.75	5.00	40.00
Fancy-Leaved Caladiums. An immense stock			
of the choicest varieties:			
Fine Standard Varieties.....	1.75	12.00	100.00
Rare and New Varieties.....	2.25	15.00	140.00
Rare and New Varieties.....	3.50	25.00	
Choice Mixed Varieties.....	1.50	10.00	90.00

For a complete list of seasonable Seeds, Plants and Bulbs, see our Garden Book for 1916, and also our current Wholesale List. If you have not received them please write us.

**HENRY A. DREER,** 714-716 Chestnut St. PHILADELPHIA, PA.

The above prices are for the Trade only

varieties be known by their names and their characteristics and their good qualities will eventually enhance their value and make regular buyers of intelligent customers.

In closing I would like to say a few words regarding the National Flower Show to be held in Philadelphia this spring. In addition to the generous cash premiums offered for carnations by the management, the Society will award in a good many classes silver Jubilee Medals to commemorate the 25th anniversary of our founding. Let every grower here make up his mind to put up an exhibit at Philadelphia so that the Carnation section of that grand show may be a credit to our favorite flower, and that our reputation of being the "Live-wire Society" of all the affiliated societies of the S. A. F. will not be open to question. We must with renewed vigor put our shoulders to that same wheel mentioned in the Call of '91 sent out to the American Carnation Growers by that honored band of enthusiastic men in Philadelphia who saw the hidden possibilities of our Divine Flower—the Carnation.

#### SECRETARY A. F. J. BAUR'S REPORT.

Secretary A. F. J. Baur then read his annual report as follows:

Mr. President and Members of the A. C. S.

Your Secretary begs leave to submit the following report.

While our membership has not shown as large an increase in the past year as in the previous twelve months there have been added to the roster 22 new members, and besides these 6 delinquents have been reinstated. So that our membership now stands at 325 annual members and twelve life members, a total of 337 and an increase of seven over last year. No life members have been added during the past year. Death has claimed one of our members, Wm. Murphy of Cincinnati, O., having passed away on Sept. 27th. Edwin Lonsdale, who was your first president, has also passed away at his home in California. We ordered a floral wreath sent to the funeral at Philadelphia.

The books of your secretary and treasurer have been audited, as has been customary. We are pleased to state that the society's finances are in a sound condition. All bills are being met as they fall due and all accounts are being collected without loss. The secretary's books, up to Jan. 17th when the audit was taken, show collections as follows: Membership dues, \$531.00; advertising, \$326.72; Miscellaneous, \$98.18; making a total of \$955.90; all of which has been turned over to the treasurer and his receipts taken therefor.

We are pleased to report that 24½ pages of advertising space in the premium schedule was taken by our members and friends. The schedule appeared a few days late owing to the lateness of the Board of Directors' meeting. The annual report was also printed and distributed at the usual time.

Eleven new varieties were offered for registration by American growers and some twenty-three European varieties were added to the list. The name "Peace" was offered by both American and European growers. It having been offered first on this side, the European registration was withdrawn.

The arrangements for this meeting were in the hands of our worthy Vice-President, Mr. Ammann, who has worked diligently for the success of this convention. The entries for this exhibition are rather lighter than usual, due no doubt to the scarcity of flowers and the high prices realized on high grade stock in the cut flower markets. The society owes a debt of gratitude to those growers who were willing to sacrifice their personal interests to help make this exhibition a success.

We suggest that in the future no display cards be permitted on vases entered in the competitive classes; that display cards on non-competitive

mission.

The collection of the... tailors along this line is to be com-

Our regular members... members are also members of the S. A. F. and O. H. We therefore continue to be represented on their Executive Board.

The Board of Directors held the usual post-convention meeting at Buffalo last January. The midsummer meeting was postponed to November and was held in Cleveland, O., on November 12th.

Arrangements were made to hold the Silver Jubilee at Philadelphia, at the time of the National Flower Show. The \$1,500.00 appropriated for carnation premiums, by the National Flower Show Committee, was spread over a schedule of premiums, which was submitted to the above named committee and approved by them. It was decided to have a special Silver Jubilee medal struck and to award one of these medals to each winner of one or more first premiums on carnations. Messrs. W. L. Rock and F. C. W. Brown have been invited to assist in judging the retail displays at the Philadelphia show and have both accepted.

The Board recommends that this society co-operate with local organizations in promoting local flower shows and suggests the following conditions, i.e. a flower show, which desires the co-operation of the American Carnation Society, agrees to submit its schedule of premiums and the selection of its judges, for the approval of the President and Secretary of the A. C. S. They shall further agree to satisfy the above named officers of the proper underwriting of the show.

The trade press has kindly given space for all matter sent in for publication. To them is due our thanks.

#### REPORT OF THE TREASURER, F. E. DORNER.

##### GENERAL FUND

###### Disbursements.

Orders on Treas. paid.....	\$1,016.52
Balance cash on hand.....	837.68
	\$1,854.20

###### RECEIPTS.

Jan. 20, 1915. Cash on hand.....	\$630.58
Cash received .....	1,225.62
	\$1,856.20

##### PERMANENT FUND

Jan. 20, 1915. Balance .....	\$2,625.31
Jan. 20, 1915. Interest .....	106.04
	\$2,731.35
Balance invested at 4%.....	2,625.31
	\$2,731.35

##### MEMBER FUND

Jan. 20, 1915. Balance .....	\$1,001.57
Jan. 20, 1915. Interest .....	10.44
	\$1,012.01
Transferred to General Fund for 1915. Dornier Memorial Medal .....	\$40.00
Balance invested at 4% .....	1,002.01
	\$1,042.01

F. E. DORNER, Treas.



A. F. J. BAUR

Secretary, American Carnation Society.

William Vesey of Fort Wayne, Ind., gave the members of the society a pressing invitation to come to Indianapolis next year.

#### Nomination of Officers.

Nominations for officers were made as follows: J. F. Ammann of Edwardsville, Ill., president; William Vesey, Fort Wayne, Ind., vice-president; A. F. J. Baur, Indianapolis, Ind., secretary; F. E. Dorner, La Fayette, Ind., treasurer.

New England was as usual well represented and made a fine showing at the exhibition, S. J. Goddard, Framingham, Mass., winning nine prizes; C. S. Strout, Biddeford, Me., eight; A. Roper, Tewkesbury, Mass., two, and Ernest Saunders, Lewiston, Me., four.



F. E. DORNER.

Treasurer, American Carnation Society.

#### MASSACHUSETTS FRUIT GROWERS' ASSOCIATION.

The fruit growers of the Massachusetts Fruit Growers' Association attended their annual convention in Horticultural Hall, Boston, last week, under the presidency of Fred C. Sears, of Amherst. A complete line of trade exhibits was shown in the main hall. President Wilson H. Conant of the Oxford Bears Fruit Growers' Association, Buckfield, Me., read a paper on "Factors Which Influence the Annual Bearing of Fruit Trees."

"It is not so much a matter of the particular method employed," he said, "as it is of the man behind the proposition, and of the way in which he lives up to his methods. By pruning, spraying thoroughly, checking growth at the right time, conserving moisture through the early part of the season, and seeing there is not excess at the close, we shall assist nature to promote growth and produce fruit."

F. J. McNeil, of Maloney Bros. & Wells, Danville, N. Y., gave a talk on "The Raising of Nursery Stock by the Grower." Incidentally he alluded to the disappointments sometimes met by growers through getting stock from nurserymen that did not come out true to the name given by them.

"No greater wrong could be done," he said, "than to let a man who has got the wrong stock go to the expense of purchasing, planting, spraying and pruning for a number of years, all the time looking forward to the day when he hopes to realize on his product." The speaker urged that the best remedy would be for the association to appoint a committee of two or three of its officers and members to make a thorough investigation of the nurserymen and agents and prepare a book containing the results of the investigation for the use of members.

Other speakers were George D. Aiken, vice-president of the Vermont New England Fruit Show, Putney, Vt.; Secretary Wilfrid Wheeler of the Massachusetts board of agriculture; Prof. P. J. Parrott, entomologist of the experiment station at Geneva, N. Y., and John J. Dillon, commissioner of the New York State department of food and markets.

#### MEDFORD HORTICULTURAL SOCIETY.

At the monthly meeting of the Medford (Mass.) Horticultural Society on January 18, William Colton, City Forester of Newton, gave a very interesting lecture on the History of the Mosquitoes, and what has been done in Newton towards their extermination. He also gave an interesting account of the shade trees, under his care, and what is being done to keep them in good condition. Mr. Colton is evidently an enthusiast in his profession, and a close student of nature, readily answering all questions that were put to him. He made a strong plea for the better care of shade trees in cities and towns, proving their economic value by facts. Lectures of this kind are of great value, arousing local interest, in something that is too much left in the hands of the local politician, who gets the position, not for his knowledge of trees and their care, but as a campaign reward. GEORGE F. STEWART.

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The Largest Horticultural Auction Rooms in the World

We are in a position to handle consignments of any size, large or small. Prompt remittances made immediately goods are sold.

## CLUBS AND SOCIETIES

### PARK INSTITUTE OF NEW ENGLAND.

An interesting meeting of this young organization was held at the Kaiserhof, New Haven, Conn., on Tuesday, January 26. Seventeen members were present. Following luncheon Mr. Gallagher of Olmsted Bros., Brookline, Mass., gave an instructive talk on Lines and Curves in Park Roads and Walks, illustrated with photographs and diagrams, showing the relation of roads and walks to the conformation of the ground and showing how ideals are effected by modern demands for seeing a long distance ahead on driveways.

Fred C. Green, superintendent of Parks of Providence, R. I., read some entertaining notes from records made jointly by himself and Theodore Wirth during the four-weeks' trip of the Park Superintendents to the Pacific Coast last summer.

After the meeting a visit was made on invitation of Superintendent Amrhyn to East Rock Park, where the nursery and zoo departments and the new service building and repair shops—said to be the finest in the United States—were inspected and Mr. Amrhyn's new residence admired.

### FLORISTS' AND GARDENERS' CLUB OF RHODE ISLAND.

The newly elected officers of the Florists' and Gardeners' Club of Rhode Island were inducted into office in connection with the annual banquet of the society held Monday evening in the club headquarters at 96 Weybosset street, Providence. President Cornelius Hartstra opened the meeting, and then the responsibility for the club's success for the next 12 months was turned over to James Dillon who assumes the presidency. William Steele and William E. Chappell ushered themselves in as their own successors. The veteran James Hockey of Pawtucket is treasurer. The banquet followed and a programme of entertainment, including vocal and instrumental music formed a continuity of pleasure that extended well into the evening. During the evening Robert Johnston presented a handsome umbrella to retiring president Hartstra, a gift of the club in appreciation for his faithful devotion during the past year. The committee

## Meetings Next Week

### Tuesday, Feb. 1.

Lake Geneva Gardeners' and Foremen's Association, Lake Geneva, Wis.  
Los Angeles County Horticultural Society, Los Angeles, Calif.  
Paterson Floricultural Society, Paterson, N. J.  
Philadelphia Florists' Club, Philadelphia, Pa.  
Pittsburgh Florists' and Gardeners' Club, Pittsburgh, Pa.  
State Florists' Association of Indiana, Anthony Hotel, Fort Wayne, Ind.

### Wednesday, Feb. 2.

Tuxedo Horticultural Society, Tuxedo Park, N. Y.

### Thursday, Feb. 3.

St. Louis Florist Club, officers' meeting  
Southampton Horticultural Society, Southampton, N. Y.

### Friday, Feb. 4.

North Shore Horticultural Society, Manchester, Mass.  
North Shore Horticultural Society, Lake Forest, Ill.  
Pasadena Horticultural Society, Pasadena, Calif.  
Yonkers Horticultural Society, Yonkers, N. Y.  
Peoples' Park Cottage Gardeners' Association, Paterson, N. J.

### Saturday, Feb. 5.

Pacific Coast Horticultural Society

### COMING EXHIBITIONS.

March 7-8, Moline. Annual meeting and exhibition of the Illinois State Florists' Association.

March 17, 18, 19, Boston. Spring Exhibition Massachusetts Horticultural Society, Horticultural Hall.

March 23-April 2, Philadelphia. Fourth National Flower Show of the Society of American Florists, Convention Hall, Broad Street and Arch Street, Philadelphia.

April 5-12, New York. International Flower Show of the Horticultural Society of New York and the New York Florists' Club, Grand Central Palace, Forty-fifth Street and Lexington Avenue, New York.

May 10, 11, Boston. May Show Massachusetts Horticultural Society, Horticultural Hall.

### LANCASTER COUNTY FLORISTS' CLUB.

The third Thursday of each month and the one o'clock trolley car seem synonymous terms. This time it was for Strasburg, the home of good carnations and the first stop made at Amos Rohrer's, where we found his stock all in good shape and he with a preference for White Wonder over Matchless. Mr. Rohrer grows quite a bit of mixed stock to supply the local needs of his borough. The next place was that of Charles Herr, the one place to see first-class plants and first-class flowers under any and all conditions. It was no exception right now—good clean stock and good quality blooms; not so many of them as under good sunshine, but enough to satisfy any grower. Mr. Herr is just the opposite from Mr. Rohrer and is enthusiastic over Matchless and will plant no other white for the next few years to come. Enchantress Supreme is so satisfactory that he does not want any other one in this color, and a very good looking bench of Alice is likely to be filled with Supreme instead for next season. Champion is being tried out and gives good results but is not to be compared to Beacon as done at this place. It was the intention to visit the establishment of J. Wade Galey, a short walk from Strasburg, but the weather was hot, the clouds dripping with moisture and the road muddy, so we trolleyed back to Lancaster. We had with us as visitors S. S. Pennock and Ernest Hoehl of Philadelphia, James Brown of Coatsville and J. L. Lockard from Mountville and formerly of York, Pa.

The meeting was called to order by President B. F. Barr at 7:30 P. M., and after the usual routine the election of officers was taken up, resulting as follows:

President—Harry A. Schroyer; vice-president—Elmer J. Weaver; secretary—Frank L. Kohr; treasurer—Harry K. Rohrer.

With the usual formalities and the use of considerable flowery speech, the retiring president turned over his office to the incoming president and Mr. Schroyer in accepting it asked the hearty co-operation of each member, making the claim that Lancaster County grew as good stock as any place in the United States and sometimes a lit-

of arrangements included Robert Johnston, Eugene A. Appleton and Alexander Macrae.

the better than any other time. This was corroborated by Mr. Thos. Hoebl of the S. S. Pennock Co., who took off his hat to the carnations growers, and of course as a mere matter of side issue later on took their orders for stock. The incoming secretary made his bow to the public and hopes to be an earnest contributor to the Club (what a job!). L. Landis, the old-time secretary, had served the Club since its organization and helped to put it on the good solid basis it now is. The treasurer, we all know, is one of those faithful chaps who says little and does much, and guards the funds of the Club with a watchful eye and a strong hand.

On the exhibition table, through the courtesy of S. S. Pennock-Meehan Co., we had displays of Alice Coombs, Nancy, Rosella, Miss Theo, Aviator, Belle Washburn, Nebraska, Old Gold and seedling No. 360 of Roper's, all of which will be heralded at the meeting of the American Carnation Society in St. Louis, and none of which deserved any unfavorable comments, but Alice Coombs seemed to lead in favor, with Rosella as a possible successor of Mrs. C. W. Ward, which seems to be deteriorating with many growers.

S. S. Pennock gave us a short but pertinent talk on the newer carnations and gave a boost for The National Flower Show in Philadelphia in March, and on the strength of these remarks it is likely that there will be worked up "Lancaster Day" for the show and a special train run from this point. Mr. Hoebl told us of his trip through the east where he saw some of the newer carnations growing and several members discussed carnations pro and con. It was voted to allow employees to come into the Club as associate members at \$1.00 per annum.

The President appointed his committees as follows:

Program—H. K. Rohrer, Thos. Fries, W. B. Girvin, W. A. Hammond.

Show—A. M. Herr, M. J. Brinton, A. F. Strickler, Walter Denlinger.

Glad Hand—J. H. Linky, E. P. Hostetter, John Shreiner, J. Ralph Hess.

Membership—B. F. Barr, J. C. Siebold, J. L. Ranck.

Visiting—Elmer Weaver, Chas. Herr, Wm. Aherne, Ira Landis.

Sports—David Rose, Rudolph Nagle, C. S. Loeffler.

The next meeting, Feb. 17th, will be a Lord & Burnham lecture, illustrated with lantern slides on greenhouse construction, and every florist within reach of Lancaster on that date is invited to attend and meet the Glad Hand Committee. The visit will be to the establishment of W. B. Girvin at Leola, and the time from Lancaster 3 P. M., Thursday, Feb. 17th.

ALBERT M. HERR.

#### NEW JERSEY FLORICULTURAL SOCIETY.

A regular monthly meeting of this society was held in Orange on Jan. 17. Installation of officers took place as follows, W. A. Manda officiating. Henry Halbig, president; Max Schneider, vice-president; Edw. A. Manda, treasurer; Geo. W. Strange, secretary. Max Schneider received the following points on his exhibit: Carnations, 80; vase of cut flowers, 70; violets, 70; cyclamen, 85 points. W. A. Manda received a first class certificate for a seedling carnation resembling Delhi but brighter in color. GEO. W. STRANGE, Sec'y.

#### HOUSE OF THE NEW ROSE PINK CARNATION MISS THEO.

House of the New Rose Pink Carnation Miss Theo.



#### NEW HAVEN COUNTY HORTICULTURAL SOCIETY.

The New Haven County Horticultural Society begins the year 1916 with the following officers: President, Wm. J. Rathgeber, New Haven; vice-president, Alfred E. Doty, Morris Cove; secretary, W. C. McIntosh, New Haven; treasurer, David Kydd, West Haven.

The board of managers, who have special charge of the annual exhibition, are as follows: Alfred E. Doty, chairman, Morris Cove; Herbert F. Clark, West Haven; Robert Paton, New Haven; A. W. Davidson, Ansonia; T. H. Dewhurst, Milford; Nathan A. Miller, Branford; J. H. Murray, New Haven; Jno. Bocking, New Haven; Edson L. Bradley, New Haven; L. B. Linsley, West Haven; Charles C. Barnes, New Haven; C. Louis Ailing, West Haven.

The newly elected officers have mapped out a vigorous campaign for the coming year. They have taken a new hall in the heart of the city, one flight up, well heated and lighted. The old hall was three flights up. And the new hall is given to the society free of charge. "Progress" is the motto of the society and the members have decided to live up to this motto for the year 1916. Already they are taking in new members. This year will see the membership doubled.

At the last meeting the discussion was "Fertilizers." Those who took particular part in it were Jno. H. Murray, superintendent botanical gardens, Yale University; John H. Slocumb, florist; Robert Paton, gardener for Thos. G. Bennett, Winchester Repeating Arms Co.; and the following growers: Nathan A. Miller, Wm. J. Rathgeber, L. B. Linsley, Alfred E. Doty and Edson L. Bradley. A very interesting report was made on the damage caused by the late storm in this section. W. C. MCINTOSH, Sec.

#### NORTH SHORE (MASS.) HORTICULTURAL SOCIETY.

This society held its regular meeting Jan. 21. Vice-President Wetters had a collection of primulas on exhibition, the result of a cross between *Primula stellata* and *P. chinensis* plants, having the habit of the former and flowers of the latter type, colors being mauve, white, red and pink.

W. N. Craig gave an instructive lecture on perennials and bulbs and also gave a very interesting account of the aims and ambitions of the National Association of Gardeners.

At the previous meeting William Till read a paper by W. W. Ohlweiler, The Profession of Gardening, after which it was voted "that the offer of the N. A. G. to provide other papers for discussion be accepted."

The Executive Committee have organized with A. E. Parsons as chairman and report progress on the proposed new building. Next meeting February 4th. WM. TILL.

#### CONNECTICUT HORTICULTURAL SOCIETY.

This society held its first regular meeting in Hartford for the new year on Friday evening, January 14. J. F. Huss exhibited a fine collection of primroses including *Kewensis* and others. A first-class certificate was awarded. A paper was read by the secretary, entitled "Profession of Gardening, by W. W. Ohlweiler, Missouri." The president named the following executive committee for 1916: W. W. Hunt, Hartford, George B. Baker, New Britain, John F. Huss, Hartford, Alex. Cumming, Jr., Cromwell, and Fred Boss, Hartford. The publicity committee consists of Alfred Dixon, Wethersfield, Ed. A. Brassill, Hartford, and J. C. Willard, Wethersfield. ALFRED DIXON, Sec'y.

# Boddington's Quality Cannas

**First-class dormant roots in sound condition, with not less than two or three eyes each, true to name. Cannas shipped by freight at owner's risk.**

One box of 250 sold at thousand rate; it is cheaper for you to buy a box of 250 than 300 at 100 rate. Write for special prices on quantities.

For fuller description of Cannas, also Caladiums, Begonias and other Spring Bulbs send for new Wholesale Catalogue now ready.

## RED-FLOWERING, GREEN FOLIAGE CANNAS

	Doz.	100	1000
A. Bouvier, 5 ft. Dark crimson, son of...	\$0.25	\$1.65	\$15.00
Beaute Pottevine, 3½ ft. Dark crimson	.40	2.75	25.00
Black Prince, 5 to 6 ft. Dark velvety maroon	.40	2.75	25.00
Charles Henderson, 4 ft. Bright crimson	.25	1.65	15.00
Cherokee, 4 ft. Intense deep red maroon	.25	1.35	12.00
Crimson Bedder, 4 ft. Intense scarlet	.40	2.75	25.00
Dr. Robert Funke, 4½ ft. Color same as Scarlet Sage	.80	5.25	50.00
Duke of Marlboro, 1½ ft. Dark crimson	.25	1.50	14.00
Furst Bismarck, 6 ft. Rich scarlet crimson	.25	1.50	14.00
Grand Chancellor Bulow, 3 ft. Crimson scarlet overlaid with yellow	.25	1.65	15.00
J. D. Eisele, 5 ft. Bright vermillion scarlet	.40	2.25	20.00
Express, 2 to 2½ ft. Scarlet crimson	.40	2.75	25.00
Louisiana, 7 ft. Vivid scarlet	.25	1.50	14.00
Mephisto, 3½ ft. The deepest crimson	.25	1.35	12.00
Pennsylvania, 5 ft. Deep orange scarlet	.25	1.50	14.00
President Cleveland, 3 ft. Bright orange scarlet	.30	2.00	17.50
President McKinley, 2½ to 3 ft. Brilliant crimson	.30	2.00	17.50
President Meyer, 4 ft. Cherry carnation	.30	2.00	17.50
Pillar of Fire, 6 to 7 ft. high. Bright crimson scarlet	.30	2.00	17.50
Tarrytown, 3½ ft. Crimson	.30	2.00	17.50

## PINK-FLOWERING CANNAS

Hungaria, 3 to 3½ ft. Pink, color of the Paul Neyron Rose	\$0.55	\$3.75	\$35.00
Louise, 5 ft. Rose. Somewhat similar to Mlle. Berat	.30	2.00	17.50
Mlle. Berat, 4½ ft. Rose carmine	.30	2.00	17.50
Mrs. Alfred F. Conard, 4 ft. Exquisite salmon pink	.55	3.75	35.00
Venus, 3½ ft. Rosy pink, mottled border of creamy yellow	.50	3.25	30.00

## BRONZE-LEAVED, RED-FLOWERING CANNAS

Brandywine, 4 to 5 ft. Intense vinous red, mottled with deep crimson; sometimes narrowly edged with bright gold	\$0.40	\$2.75	\$25.00
David Harum, 3½ ft. Vermillion scarlet	.40	2.75	25.00
Dr. E. Ackerknecht, 4 ft. Carmine lake, suffused with deep carmine; foliage bronze	.40	2.75	25.00
Dr. Bodingen, 4 ft. Scarlet; bronze foliage	.25	1.50	14.00
Egandale, 4 ft. Current red	.35	2.25	20.00
King Humbert, 4 ft. Orange scarlet	.30	2.00	17.50
Musafolia, 5 ft. Foliage effect only, small red flowers	.25	1.50	14.00
Robusta, 6 to 8 ft. Foliage effect only, small red flowers	.30	2.00	17.50

## CALADIUM ESCULENTUM

(Elephant's Ear)

6 to 8 in. in circum. 50 in a case	\$0.25	\$1.25	\$20.00
8 to 10 in. in circum. 50 in a case	.50	2.50	50.00
12 to 13 in. in circum. 50 in a case	1.00	5.00	75.00
Monsters, measuring 13 in. and upward in circum., 25 in a case	1.50	12.00	

Full cases at 1000 rate

## FANCY-LEAVED CALADIUMS

English Collection 1 of the best sorts. Extra fine bulbs in 12 varieties	\$2.25	\$15.00	
Brazilian Collection	1.50	12.00	
Mixed Brazilian Varieties	1.00	10.00	

## TUBEROUS ROOTED BEGONIAS

SINGLE FLOWERING

Crimson, Scarlet, Pure White, Rose, Light Pink, Yellow, Salmon, Orange, Copper or Mixed, all colors.

	Doz.	100	1000
Bulbs, 1¼ in. diam. and up.	\$0.35	\$2.25	\$20.00
Bulbs, 1½ in. diam. and up.	.40	2.50	25.00

Shenandoah, 6 ft. s	.25	1.65	15.00
William Saunders, Rusty-leaved	.40	2.75	25.00

## ORANGE SHADES

Wyoming, 7 ft. Purple foliage, orange-colored	\$0.25	\$1.50	\$14.00
Mrs. Kate Gray, Green foliage, orange scarlet and yellow	.25	1.65	15.00

## RED, GOLD-EDGED, SPOTTED AND YELLOW CANNAS

	Doz.	100	1000
Duke of York, 4 to 5 ft. Rich, deep crimson, throat mottled creamy white, each petal edged with fine gold	\$0.75	\$5.25	\$50.00
General Merkel, 4 ft. Scarlet, suffused with orange, base and edge of flower marbled with golden yellow	.25	1.65	15.00
Gladiator, 4 ft. Bright yellow, spotted crimson	.25	1.65	15.00
Gladia-Flora, 3½ ft. Crimson, changing to carmine rose with edge of gold	.40	2.75	25.00
Jean Tissot, 5 ft. Intense, brilliant vermillion, with bright orange shadings	.40	2.75	25.00
Mad. Crozy, 5½ ft. Vermillion, with gold border	.35	2.25	20.00
Queen Charlotte, 3½ ft. Golden belt around each petal, center brilliant orange scarlet with crimson tones	.40	2.75	25.00
Souv. de A. Crozy, 4 ft. Crimson, with gold band	.35	2.25	20.00

## YELLOW SHADES

Florence Vaughan, 5 ft. Yellow, spotted crimson	\$0.25	\$1.65	\$15.00
Johanna Kanzleiter, 4 to 4½ ft. Light amber yellow, changing to creamy white	.25	1.50	14.00
Richard Wallace, 4½ ft. Canary yellow, green foliage	.25	1.50	14.00

## ORCHID-FLOWERING CANNAS

Allemannia, 4 to 5 ft. Green foliage; scarlet and yellow	\$0.25	\$1.35	\$12.00
America, 5 ft. Crimson; wide and irregular gold edge	.25	1.35	12.00
Austria, 5 ft. Pure canary yellow	.25	1.50	14.00
Indiana, 3 to 4 ft. Color, golden orange, faintly marked and striped with red	.25	1.35	12.00
Italia, 4½ ft. Green foliage. Red bordered yellow	.25	1.50	14.00

## WHITE AND CREAM SHADES

Alsace, 3½ ft. Creamy white	\$0.35	\$2.25	\$20.00
Mont Blanc Imp., 4 ft. Almost a pure white	.55	3.75	35.00

## GLOXINIA ERECTA GRANDIFLORA

Our strains of Gloxinias are the true, erect-flowering type.

Blanche de Vera, White, rose-bordered	\$0.60	\$4.25	\$40.00
Deliance, White, with gold border	.60	4.25	40.00
Emperor William, Rose white border	.60	4.25	40.00
Etoile de Lou, White, with gold border	.60	4.25	40.00
Kaiser Frederick, Scarlet with gold border	.60	4.25	40.00
King of the Reds, Deep red	.60	4.25	40.00
Madame Helene, White, with violet crown	.60	4.25	40.00
Marquis de Peralta, White, red-bordered	.60	4.25	40.00
Mont Blanc, Snow white	.60	4.25	40.00
Prince Albert, Deep purple	.60	4.25	40.00
Princess Elizabeth, White, bordered blue	.60	4.25	40.00
Princess Mathilde, White, with gold border	.60	4.25	40.00
Queen Wilhelmina, White, with gold border	.60	4.25	40.00
Boddington's Spotted Varieties. These consist of the following:			
Blue and White Spotted	.60	4.25	40.00
All Colors Mixed	.50	3.75	35.00

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## SEED TRADE

### AMERICAN SEED TRADE ASSOCIATION

Officers—President, J. M. Lupton, Mattituck, L. I., N. Y.; First Vice-President, Kirby B. White, Detroit, Mich.; Second Vice-President, F. W. Boigiano, Washington, D. C.; Secretary-Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O. Cincinnati, O., next meeting place.

### One Week's Imports.

Imports at the Port of New York of horticultural material for the week ending Jan. 15, were recorded as follows:

Bulbs, etc.—France, \$88; England, \$32; Netherlands, \$1,254; Hongkong, \$934; Japan, \$3,215.

Plants, etc.—France, \$3,908; Netherlands, \$496; England, \$5,343; Ireland, \$98; Brazil, \$129; Japan, \$58.

Red Clover seed—France, \$52,521; Italy, \$31,295.

Other clover seed—Italy, \$8,028.

Other grass seed—Spain, \$19,689; England, \$18; Scotland, \$476; Ireland, \$1,168.

All other seeds—France, \$13,555; Italy, \$40,545; Netherlands, \$11,256; England, \$1,968; Hongkong, \$829; Japan, \$2,547.

Salts of potash—Italy, \$859; Netherlands, \$47.

Salts of soda—England, \$7,503.

Nitrate of soda—Canada, \$84,203; Chile, \$419,928.

Other substances as fertilizers—England, \$228; Scotland, \$4,037.

Guano—Mexico, \$910.

Kainite—England, \$2,112.

### CATALOGUES RECEIVED.

Harlan P. Kelsey, Salem, Mass.—Spring List of Hardy American Plants.

C. H. Brewer, Riverside Farm, Rahway, N. J.—1916 Annual List of Vegetable and Flower Seeds.

Forest Nursery and Seed Co., McMinnville, Tenn.—Wholesale Trade List of Forest and Shade Trees.

Martin Kohankle, Painesville, Ohio—Wholesale List for Spring, 1916. With portrait in color of Red Marvel Mallow.

Peter Henderson & Co., New York.—Wholesale Catalogue for Market Gardeners and Florists. Selected varieties of standard merit. A very useful list.

Roman J. Irwin, New York.—Florists' Wholesale Catalogue of Plants, Cuttings, Bulbs, Flower Seeds and Supplies, for 1916. An up-to-date list of up-to-date material for up-to-date trade. Useful as well as ornamental.

American Seed Tape Co., New York City.—Flower and vegetable seeds presented in the form of fertilized tape on which the seeds are spaced for accurately planting in rows. An interesting booklet very prettily illustrated.

L. Daehnfeldt, Ltd., Odense, Denmark—Wholesale Catalogue and Price List of Danish seeds. Two fine color plates of Cinerarias and Pansies are inserted. Axel Knudsen, Minneapolis, Minn., is American representative.

W. Atlee Burpee & Co., Philadelphia, Pa.—"Blue List" for 1916. This well-known edition of catalogs prepared for Market Gardeners, Florists' and Farmers. Choice and quoted wholesale prices accordingly. 150 pages of "the real thing."

Stearns & Harrison Co., Painesville, O.—Spring 1916 Catalogue of the offerings of Painesville Nurseries. Flowers and vegetables in colors are used to adorn the cover. Choice hardy and tender garden material of all classes is fully presented in the contents.

Walworth Manufacturing Co., Boston, Mass.—"The Walworth Log," not technically a catalogue but serving the same purpose, in calling attention to the quality of the goods manufactured by this long established concern. The present company was founded in 1842.

Wm. Elliott & Sons, New York—"Seeds Famous for Over Seventy Years." This is the Annual Spring Catalogue of this well-known house, and a beauty it is. The covers carry two lovely garden pictures in color and the make-up of the contents is all that could be desired.

Wm. Henry Maule, Inc., Philadelphia, Pa.—The Maule Seed Book for 1916. Radishes in all the appetizing forms on front, and Nasturtiums and Pansies on back cover, in natural colors are the headlines in this catalogue. This house still adheres to the wood engravings in its illustrations.

E. G. Hill Company, Richmond, Ind.—1916 Catalogue. The Rose in 1916 in all its beautiful divisions of habit and character, Carnations that have won highest honors, Chrysanthemums in established varieties and classy novelties, Japs and Pompons,—these are all fully exploited in this expert selection of well-proven specialties for the florist.

Peter Henderson & Co., New York, N. Y.—Everything for the Garden, 1916. This 206 page manual of hardy and tender garden material contains an immense amount of matter and useful information of interest to the amateur and professional gardener equally. The arrangement of illustrations is particularly effective. The covers are richly adorned with garden views in embossed panels and there are several full-page pictures in color.

Joseph Breck & Sons, Boston—High Grade Seeds for 1916. Everything for Farm, Garden and Lawn. This new catalogue of an old house is sent out in a very youthful and joyous dress, quite unique in its way, with festoons and garlands of roses in color and brilliant garden views. Large clear type and good arrangement of its 160 pages make a very readable book, even for the old 40 to 60-year friends of the house, whose portraits are shown on the "Roll of Honor" page.

### MASSACHUSETTS AGRICULTURAL COLLEGE NOTES.

A spring flower show at the college is under consideration by the department.

Professor A. H. Nehrling is to give a new course in perennials and annual bedding plants beginning the second week in February.

### PUBLICATIONS RECEIVED.

The Horticultural Directory and Year Book for 1916, London, Eng. This is the 57th year of this indispensable hand book for the trade which, however, is in this edition minus the German and Austrian addresses listed heretofore. As to the American addresses given, a radical revision would be very desirable as the lists for this country are confused, inaccurate and of little value to anyone seeking information as to the representative concerns here.

Sweet Peas Up-to-Date. Revised Edition, 1916, with appendix, published by W. Atlee Burpee & Co., Philadelphia. The author of this valuable manual, George W. Kerr, is an eminent authority and has no superior in knowledge of the Sweet Pea, its improvement and its culture. The contents of this book are the result of observations made at Fordhook Farms Trial Grounds during the past eight seasons and previous experience in England. A complete description of all known varieties, including novelties for 1916 is given and all questions of soil preparation, planting and culture outdoors in summer and under glass in winter are fully and instructively covered. There is a useful chapter on the construction of trellises.

### NEW CORPORATIONS.

Great Falls, Mont.—Felden Flower Shop, capital stock, \$10,000.

Nashville, Tenn.—Howell Nurseries, capital stock, \$50,000. Incorporators, Bruce, S. R., C. B. and C. S. Howell and C. R. Trotter.

Sidney, O.—Alton Seed Co., capital stock, \$15,000. Incorporators, W. L. Allen, B. T. Bull, L. E. Marrs, H. E. Bennett and E. L. Alton.

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Michell's Monstrosus	\$1.00	
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## Of Interest to Retail Florists

NEW FLOWER STORES.

Newark, Ct. J. H. Mager, Main Street

Clarksville, Tenn. John Taylor, Fifth Street

Manitowoc, Wis. Henry Johnson, 201 Alexander Bldg.

South Phillips, S. D. Munsterlin Floral Co., Dennis Bldg.

Tampa, Fla.—Eagle Lake Nurseries, 511 Church Street Bank Bldg.

Wilkesbarre, Pa.—New York Floral Co., Main St. 19 Public Square

Scranton, Pa.—Miss Arline Besancon, Scranton Life Insurance Bldg.

Williamsport, Pa.—Williamsport Floral Co., removing to 146 W. 4th street April 1st.

Washington, D. C.—New Cochran Flower Shop, 14th and K Sts., J. Richards, proprietor.

## NEWS NOTES.

Carthage, Mo. Oscar de Graft purchased the greenhouses of T. R. Johnson

Reading, Mass.—A. F. Ells & Sons have purchased the Wells Street Greenhouses.

Jamestown, N. D.—The Jamestown Floral Co. has been sold to Jacob Dekker, formerly of Butte, Mont.

Huntsville, Ala.—A new nursery concern has been started here by E. Elkton under the name of the Elkton Nurseries.

West Newbury, Mass.—Charles Morse and Herbert Smith have formed a partnership and will carry on a general plant and seed business.

Lawrence, Kan.—C. M. Luther, who has been in the business for twenty years, has sold his greenhouses to A. Van Horebeek, a Belgian.

New Haven, Conn.—Fire which started from crossed electric wires in the basement of John Champion's flower store on Chapel street on Tuesday evening, January 25, destroyed his stock of boxes and other supplies in the basement as well as all the flower and plant stock in the store. The loss, which is fully covered by insurance, amounted to several thousand dollars. Two alarms were sent in.

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Albany, N. Y.—The Rosery, 23 Steuben  
St.

Albany, N. Y.—Danker, 40-42 Maiden  
Lane.

Albany, N. Y.—William C. Gloeckner, 97  
State St.

Boston—Thos. F. Galvin, 1 Park St.

Boston—Penn the Florist, 37-43 Brom-  
field St.; 124 Tremont St.

Boston—H. R. Comley, 6 Park St.

Buffalo, N. Y.—S. A. Anderson, 440 Main  
St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan  
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid  
Ave.

Cleveland, O.—Adam Graham & Sons,  
5523 Euclid Ave.

Cleveland, O.—Knoble Bros., 1836 W. 25th  
St.

Cleveland, O.—The Smith & Feters Co.,  
735 Euclid Ave.

Denver, Col.—Park Floral Co., 1643  
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,  
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017  
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-  
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.  
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stump, 761 Fifth  
Ave.

New York—Thos. F. Galvin, Fifth Ave.,  
at 46th St.

New York—A. T. Bunyard, 413 Madison  
Ave., at 48th St.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415  
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25  
Clinton Ave., N.

Rochester, N. Y.—Salter Bros., 38 Main  
St., West.

St. Louis, Mo.—Fred C. Weber, 4526-28  
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-  
son Co.

Toronto, Can.—J. H. Dunlop, 8-10 West  
Adelaide St.

Washington, D. C.—Gude Bros., 1214 F  
St.

Washington, D. C.—F. H. Kramer, 915  
F St., N. W.

Westerly, R. I.—Reuter's.

Worcester, Mass.—H. F. A. Lange.

Worcester, Mass.—Randall's Flower Shop,  
3 Pleasant St.

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**KERR** ORDERS FOR TEXAS  
HOUSTON, TEXAS

The Florist

## NEWS ITEMS FROM EVERYWHERE

### CHICAGO.

A new form of carnation, *Enchantress*, has been developed by the Chicago Flower Growers' Association. It is a pure white, and is cut with stems 14 inches in length.

C. B. Knickman is making his semi-annual visit this week in the interest of *Enchantress* & Co. New York. He is on his way to the Pacific coast. Mr. Knickman says his firm is having an

Among the largest carnations seen at E. C. Amling's this week are some of light pink *Enchantress*. That this variety is holding its own with many growers is evident, for some stock is seen now which equals any sold here in the past.

Friends of Albert Cole, American Beauty salesman at E. C. Amling's, were startled to read, Friday, of the death by gas of some one bearing the same name and living on the same side of the city. The Albert Cole, florist, is very much alive.

One of the things that finds favor this year, more than last, is the pussy willow. The Chicago Flower Growers' Association seems to be headquarters for this stock which brings suggestions of spring, regardless of temperature, and the last shipment of 200 bunches was disposed of in 24 hours. They add a touch to window and house decorations that nothing else gives.

The Chicago Woman's Outdoor Art League is doing much practical work for this city. Since the move was made for free gardens two bungalows were built and maintained for the gardeners who directed the work and a shelter for the children while the parents worked, and now they have taken over the maintenance of the field house at the Foster Avenue Gardens. This same league has been determined in its fight against the bill board nuisance and with good results.

A sudden change in temperature and a steady downpour which resulted in a flood, turned the strenuous work of keeping up steam in the greenhouses to keeping out the water. With the thermometer many degrees below zero, a sudden leap upward, with the heaviest January downpour ever recorded by the Chicago weather bureau, greenhouse men had a severe test of their ability to think and act quickly in emergencies. Chicago, Davenport and Kansas City florists were hardest hit.

Presidents of the women's clubs of Chicago have received notice of the intention of the Department of the Interior to distribute portfolios of nine picture pamphlets, under the title of "Our National Parks." A few copies are to be sent to each club in the National Federation. The announcement closes with the following: "To become acquainted with our national parks is one of the greatest needs of the American people today. The Department of the Interior is providing a splendid opportunity.

Let us do our part in this patriotic work."

Growers of bulbs here are having their troubles on account of the overheated condition of the bulbs last fall. As the representatives of the Holland bulb houses arrive, seeking orders, the subject becomes at once a vital one. Talks with the Chicago growers bring to light the fact that the bulbs which crossed on the Ryndam are almost invariably worthless. One grower had 150,000 bulbs prove failures and in that order were 50,000 Golden Spurs and 50,000 Prosperity, the latter being an improvement over Lorraine and were to have been used for cut flowers. The high prices of bulbous stock is partly caused by the heavy losses in bulbs.

### BOSTON.

Herbert Sloane, of the New England Florist Supply Co., was married Tuesday, Jan. 25, to Miss Frances Gris-haver, of Winthrop, and left immediately on a wedding tour of New York, Philadelphia and Baltimore.

Amongst the party that left Boston for the carnation show at St. Louis were S. J. Goddard and William Nicholson, of Framingham, Mass., A. Roper, of Tewksbury, C. Strout, of Biddeford, Me., and Ernest Saunders, Lewiston, Me.

Penn The Florist has given up the store on Bromfield street which he has long occupied and will make the new store recently opened on Tremont street his exclusive headquarters. This week the show window of the new place has been devoted to Scotch topics in honor of the anniversary of the birth of Robert Burns. A statue of the poet, figures dressed in tartan, quotations from Burns, ericas and other appropriate material make a notable scene and large crowds surround the window.

### PHILADELPHIA.

Mr. and Mrs. John Burton of Chestnut Hill are enjoying the sea breezes at Atlantic City for a week.

Edwin J. Fancourt, of the Pennock-Meehan Co., went on the sick list on the 25th. His physician reports that it is a bad cold complicated with rheumatism.

George Anderson continues to improve a little although he is not able to walk much as yet. The physicians are at present relying on the osteopathic treatment in order to improve the circulation. Everything that can be done is being done and we hope to see his sturdy figure in the usual spheres of activity at an early date.

Beginning on January 1, William Saville, lately with Charles L. Stanley, Plainfield, New Jersey, took charge as superintendent of Henry F. Micheli Co.'s growing establishment at Andalusia, Pa. The firm has just completed three new houses 25 x 125 ft. for pot roses for spring trade, also a connecting house 35 x 143 ft., into which thirteen other houses open. A King-

riches system has been installed to heat all the houses from a central point. A new office building and garage will be built this spring. The firm is also buying a three-ton Packard truck to run from the growing establishment to the store in Philadelphia, and has leased an additional 10 acres of land, which now gives it 60 acres under cultivation.

### NEW YORK.

Urban & Wells, formerly with D. C. Arnold & Co., has gone into the wholesale commission florists' business for himself at 106 West 28th St.

The carnation is doing its little turn at St. Louis this week, and New York will be as usual creditably represented there. Among the larger growers of the divine flower in this section Henry Weston, the new president of the New York Florists' Club, stands in the front rank, and his place at Hempstead is always interesting to visit. Carnations are only one of several special crops grown there, but the number of carnation plants alone must be well up to 40,000. There is one large house of Mrs. C. W. Ward which has been making good money this season. Particularly admirable is a pink seedling, *Enchantress Supreme* type, but decidedly ahead of that variety in form of flower and purity of tint. Two fine variegated seedlings will stand high in their class if their promise is fulfilled. One, named Mrs. J. H. Pepper, is sharply striped, in the way of *Benora* but with more color than that popular sort. The other is only sparsely striped but bears an enormous bloom. Spencer sweet peas fill a house 46 x 300. They are planted in eight rows lengthwise and the vines are now 10 ft. in height and bearing heavily—a sight well worth a visit. Among the interesting things are a bench of lupines and one of annual larkspurs, both of which are gradually attaining a place in the winter cut-flower market. Antirrhinums, callas, ferns, kentias, and promiscuous material needed to supply the local cemetery trade are among the other crops that find room and attention in this prosperous establishment.

### PROVIDENCE, R. I.

Theodore R. Peterson of the Hogg Greenhouses, this city, who went to California last fall has not returned home and nothing has been heard from him. During his absence, Miss Marshall, his bookkeeper, has been in charge of the plant.

Several of the larger growers in this city and vicinity have begun an investigation into the advisability of installing oil burning machinery to replace the coal boilers and are going to determine whether or not it is practical for their purposes. If the plan is found to be a practical one, new houses will be equipped with oil burning boilers. The present high price of coal has convinced the larger growers that some step in this direction is imperative.

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Superior in quality and design to anything ever imported. Also more for your money. These goods are **new, original and profitable**. Many of them we handle exclusively; of the rest we handle more than any other supply house in this country.

*Send for Our Silent Salesman*

THE FLORISTS' SUPPLY HOUSE OF AMERICA

**H. BAYERSDORFER & CO., 1129 Arch Street,  
PHILADELPHIA, PA.**

### Obituary

#### Alfred Barnes.

Alfred Barnes, an old-time nurseryman of Cincinnati, died at his home near Mt. Healthy last week, in his seventy-sixth year. The burial was at Bevis, Ohio.

#### James M. Frye.

James M. Frye, nurseryman, of Winchester, Va., died last week after a long illness, aged eighty years, and is survived by his wife, a son and three daughters. He was a veteran of the Confederate Army.

#### John Shield.

John Shield, the oldest gardener in Glen Cove, N. Y., died on Tuesday, January 18, aged 85 years. Mr. Shield was for a long time at "Elsinor," the original show place of Glen Cove, now the Ladue estate. He was possessed of much talent for the laying out and planting of grounds.

#### Maxine L. Pelletier.

M. L. Pelletier, a South End florist, died on Wednesday, Jan. 19, after a short illness, at the age of 40 years, and leaves a wife, son and daughter. He was a member of the St. Louis Florist Club and many fraternal orders. The funeral took place from his late residence, 730 Geyer avenue, on Friday, Jan. 21.

#### Mrs. Louise Witterstaetter.

Mrs. Louise Witterstaetter, the mother of R. Witterstaetter, Cincinnati, died at the latter's home in her eighty-eighth year. The interment was at the mausoleum in the new St. Joseph's Cemetery on Monday of this week. Many beautiful floral tokens were silent tributes of sympathy for the deceased.

#### Mrs. Thomas A. Cox.

On Saturday, January 22, Mrs. Susan Cox, wife of Thomas A. Cox, passed away at her home in Olney street, Dorchester, Mass., aged 76 years. Mrs. Cox was for many years a well-liked participant in the social life of the older members of the florist

trade in Boston. For some time past she has been in failing health.

#### Edward Welch.

Edward Welch, one of Hartford's best known florists, died at his home, 31 Annawan street, Hartford, Conn., on Wednesday, January 19, following an illness of four days of pneumonia. He had been for 33 years a florist in Hartford and was prominent in fraternal circles. Mr. Welch was born in Simsbury, April 8, 1862. At an early age he engaged in the business of flower growing and when 21 years old he came to Hartford and established the business of "Welch, the Florist." For many years he conducted a florist's shop and greenhouses in Windsor avenue, moving his flower shop to Asylum street, next the Hotel Garde, about twelve years ago. Two years ago he sold the store to his son, Andrew W. Welch, who moved to the Majestic Theatre building. Mr. Welch continued to have charge of the greenhouses.

He is survived by his wife and four sons, Edward J. Welch, Andrew W. Welch, G. Francis Welch and Donald Welch, all of Hartford.

Gentle and affable in manner, he always had a kind word or a joke for everyone. His broad charity was one of his well-known characteristics.

#### Henry J. Huesman.

Henry J. Huesman, the oldest and one of the best known florists in Reading, Pa., passed away, on January 19, aged 71 years. His death was due to asthma and heart disease. He had been suffering for the last four months and was confined to his home since last Monday evening. Mr. Huesman had hosts of friends in Reading and was well known among his fellow craftsmen throughout this section of the country. He was a native of Brooklyn, N. Y. When a young man he came to Reading and for a number of years worked for the late Michael Houser, who conducted a greenhouse establishment, which site is now occupied by the Centre Avenue Greenhouses. For a short period he managed the greenhouse of James Ritchie, a camellia specialist, of Philadelphia. Thirty-seven years ago he entered into business for himself here at Schuylkill avenue and Green-

wich street and remained at that location until the time of his demise. Before he assumed control of the business it was conducted for some time by the late John C. Helper, former superintendent of Charles Evans cemetery, for whom he acted as manager.

Deceased was a member of the Reading Florists' Association.

#### Gunnnett L. Holbrook.

Gunnnett L. Holbrook, whose death is announced in Amsterdam, N. Y., at the age of 93 years, was one of the early pioneers in the flower business in Boston.

In 1872-1873-1874 Mr. Holbrook conducted the Wales Conservatories on Columbia street, Dorchester, in company with Mr. Tompkins, under the firm name of Holbrook & Tompkins. They had a retail store corner of Winter and Washington streets, where they sold their products. It was at that time the only store of any pretension in Boston.

In 1875 Mr. Holbrook severed his connections with Mr. Tompkins, who was then proprietor and manager of the Boston Theatre. In 1875 his lease for the Wales Conservatories expired and later he built a greenhouse 20 x 100 on Warren street, in the rear of his residence close to where the Bowditch establishment is at present located. For years Mr. Holbrook did a thriving retail business at this location until he moved to Amsterdam, N. Y., where he became interested in business and where he lived and became a much respected citizen to the date of his death.

Mr. Holbrook took up the florist business simply from the love he cherished for flowers. He had remarkable taste in designing and decorative work and was one of the few men who could make a wreath without the aid of a wire design. His work always showed in it the touch and finish of the real artist. I remember when I went to work for him in 1874. The many acts of kindness displayed by him, always willing to instruct and guide his men, never severe or exacting but ever kind and considerate. One of the old school who are fast passing away.

PAUL W. WOOD.

# GARDENIAS

The Best \$25.00 Per 100  
Fancy \$20.00 Per 100  
Firsts \$15.00 Per 100

We handle the entire line of the largest Gardenia market in this section. Write now for good Gardenia lot as wanted.

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Wholesale Florists

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FLORIST'S  
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THOSE  
MADE  
BY THE

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N. F. McCarthy, Mgr.

Block Letters, \$2.00 per 100.

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Inscription, Emblems, etc. Always in Stock.

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Manufactured by

### W. J. COWEE, Berlin, N. Y.

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For sale by dealers.

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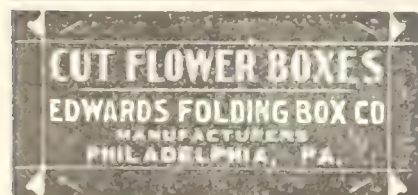
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If interested, send us your name and address for our weekly price list.

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Daily consignments from leading growers

Full line of Florists' Supplies

Write for quotations before ordering elsewhere

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Telephone, Main 6267-6268

### WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Jan. 27		ST. LOUIS Jan. 17		PHILA. Jan. 24	
<b>Roses</b>						
Am. Beauty, Special	4.00	to 75.00	40.00	to 60.00	5.00	to 6.00
Fancy and Extra	20.00	to 35.00	25.00	to 30.00	15.00	to 35.00
No. 1	8.00	to 20.00	10.00	to 15.00	6.00	to 12.50
Russell, Hadley	8.00	to 25.00	10.00	to 15.00	6.00	to 3.00
Killarney, Killarney, Hibernian, Ward, Extra	8.00	to 20.00	3.00	to 10.00	10.00	to 15.00
Ordinary	8.00	to 8.00	5.00	to 6.00	4.00	to 8.00
Arenburg, Raliance, Laft, Key, Extra	1.00	to 12.00	.....	.....	1.00	to 15.00
Ordinary	1.00	to 8.00	.....	.....	4.00	to 8.00
Ophelia, Muck, Sunburst, Extra	1.00	to 15.00	8.00	to 10.00	10.00	to 15.00
Ordinary	1.00	to 1.00	4.00	to 6.00	4.00	to 8.00
<b>Carnations, Fancy</b>	1.00	to 4.00	4.00	to 6.00	6.00	to 5.00
Ordinary	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00
<b>Cattleyas</b>	6.00	to 50.00	5.00	to 60.00	25.00	to 4.00
Dendrobium formosum	.....	to 40.00	.....	to 10.00	.....	to 10.00
Lilies, Longiflorum	8.00	to 12.00	12.00	to 15.00	12.50	to 15.00
Rubrum	5.00	to 8.00	6.00	to 8.00	5.00	to 8.00
Callos	12.00	to 15.00	2.00	to 12.00	12.00	to 15.00
Lily of the Valley	4.00	to 5.00	4.00	to 4.00	2.00	to 5.00
Daisies	2.00	to 3.00	2.00	to 1.50	6.00	to 2.00
Violets	6.00	to 7.00	1.50	to 1.00	2.00	to 1.00
Mignonette	4.00	to 5.00	1.00	to 4.00	3.00	to 6.00
Snagdragon	1.00	to 10.00	4.00	to 5.00	4.00	to 16.00
Narcissus, Paper-White	4.00	to 5.00	4.00	to 4.00	3.00	to 4.00
Trumpet	4.00	to 6.00	.....	.....	3.00	to 4.00
Tulips	.....	to 5.00	.....	to 5.00	3.00	to 4.00
Hyacinths, Roman	2.00	to 4.00	4.00	to 4.00	4.00	to 4.00
Freesia	6.00	to 4.00	.....	.....	4.00	to 6.00
Calendulas	2.00	to 3.00	3.00	to 4.00	3.00	to 5.00
Stevia	.75	to 1.00	1.00	to 1.50	.....	to 1.00
Sweet Peas	1.00	to 1.00	1.00	to 2.00	.50	to 2.00
Gardenias	35.00	to 50.00	.....	.....	.....	to 35.00
Adiantum	.....	to 1.00	1.00	to 1.25	1.00	to 1.50
Smilax	12.00	to 16.00	12.00	to 15.00	15.00	to 20.00
Asparagus Plumosus, Strings (100)	25.00	to 50.00	35.00	to 50.00	.....	to 50.00
& Spreng. (100 Bchs.)	25.00	to 35.00	20.00	to 35.00	25.00	to 50.00

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Ferns, Mosses, Wild Smilax, Galax,  
Lencothoe, Palmetto, Cycas, both fresh  
cut and prepared.  
Laurel, Hemlock, all Decorative Evergreens.

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FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.  
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Regular Shipments Wanted of

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Prices Right. Consignments Solicited. Telephone Connection

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CONSIGNMENTS SOLICITED

**NEW YORK QUOTATIONS PER 100. To Dealers Only****ROSES AND CARNATIONS**

	Last Half of Week ending Jan. 22 1916		First Half of Week beginning Jan. 24 1916	
American Beauty, Special	15.00	to 5.00	3.00	to 50.00
" " Fancy and Extra	15.00	to 25.00	15.00	to 25.00
" " No. 1	5.00	to 1.00	5.00	to 12.00
Russell, Hadley	12.00	to 9.00	12.00	to 50.00
Killarney, Richmond, Hillingdon, Ward, Extra	8.00	to 12.00	5.00	to 10.00
" " Ordinary	6.00	to 8.00	4.00	to 7.00
Arenburg, Radiance, Taft, Key, Extra	10.00	to 12.00	7.00	to 7.00
" " Ordinary	6.00	to 8.00	4.00	to 6.00
Ophelia, Mock, Sunburst, Extra	8.00	to 12.00	7.00	to 7.00
" " Ordinary	6.00	to 7.00	4.00	to 8.00
Carnations, Fancy	4.00	to 6.00	3.00	to 5.00
" " Ordinary	3.00	to 4.00	2.00	to 3.00

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WHOLESALE FLORISTS**

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Telephones, 13—8510 Madison Square

MAURICE L. GLASS, Treasurer

Consignments Solicited

## Flower Market Reports

(Continued from p. 1)

**PHILADELPHIA** Trade conditions here continue excellent. The demand is good with supplies on the short side, so that prices hold steady at the high figures ruling for some time back. American Beauty roses are scarce and running off crop very fast—which is to be expected at this time of year. Russells are very good although not so plentiful as some other roses. Killarneys and others of that class are more plentiful than they were as most growers of these were off crop in December and early January but are now coming in with increased supplies. Carnations are very good quality indeed—just beginning to show their meridian splendor and are in excellent demand. Among the leaders are Pink Delight, Enchantress, Ward, Matchless and White Wonder. What few Gloriosa there are are also very fine. Orchids are good and plentiful and the selection of varieties to choose from is larger than usual. Lily of the valley is scarce and is going to be scarcer. Lilies are also scarce. Sweet peas were never finer. Splendid quality and selling well. And notwithstanding the liberal supplies the prices hold their own in good shape. The fine weather and the longer days are having their effect of course and supplies generally are bound to increase during the next few days so that by the time this appears in print there will be a much easier feeling in the market.

The clear sunshiny **PITTSBURGH** days have developed more flowers. As the irony of fate will have it, society work has suddenly practically ceased. Roses are still scarce and there are yet no sweet peas to any extent. Carnations are coming in more plentifully, and are of very good quality. Tulips are up to the top notch. Already both the wholesale and retail trades people are anticipating an unusual St. Valentine season.

A strong spurt in **PROVIDENCE** the trade which began last week still prevails and the growers and retailers are busy. There has been a more plentiful supply of flowers and prices remain firm.

Market conditions **ST. LOUIS** were bad the past week as stock of all kinds was scarce. The demand was heavy all week and the trade suffered somewhat. All of our five commission houses reported a shortage in roses with demand very large. Carnations are becoming more easy and as predicted the glut has come. Bulb stock is showing fine at present. Sweet peas and violets are fine and becoming more plentiful. Plenty of greens.

Flowers of all **WASHINGTON** kinds, with the exception of white lilac and orchids, were very scarce last week and high prices prevailed. There is a marked shortage of colored carnations which has sent the price up. There are none of the poorer grades of roses to be had. American Beauty roses are scarce and in very good demand.

## PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

TELEPHONE MAIN 2698

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M.

### NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Jan. 22 1916		First Half of Week beginning Jan. 24 1916	
Cattleyas.....	10.00	to 25.00	10.00	to 25.00
Dendrobium formosum.....	25.00	to 50.00	25.00	to 50.00
Lilies, Longiflorum.....	8.00	to 10.00	8.00	to 10.00
Rubrum.....	6.00	to 8.00	6.00	to 8.00
Callas.....	12.00	to 15.00	12.00	to 15.00
Lily of the Valley.....	3.00	to 6.00	3.00	to 6.00
Daisies.....	2.00	to 3.00	2.00	to 3.00
Violets.....	.50	to .75	.50	to .75
Mignonette.....	2.00	to 4.00	2.00	to 4.00
Snapdragon.....	3.00	to 6.00	3.00	to 6.00
Narcissus, Paper-White.....	2.50	to 3.00	2.50	to 3.00
Trumpet.....	4.00	to 6.00	4.00	to 6.00
Hyacinths, Roman.....	2.00	to 3.00	2.00	to 3.00
Freesia.....	2.00	to 4.00	2.00	to 4.00
Calendulas.....	2.00	to 3.00	2.00	to 3.00
Stevia.....	1.00	to 1.50	1.00	to 1.50
Sweet Peas.....	1.00	to 1.50	1.00	to 1.50
Gardenias.....	25.00	to 35.00	25.00	to 35.00
Adiantum.....	.50	to 1.00	.50	to 1.00
Smilax.....	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, strings (per 100).....	30.00	to 40.00	35.00	to 40.00
& Spreng (100 bunches).....	15.00	to 20.00	15.00	to 20.00

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I have an unlimited market for your flowers, any variety, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty-eight years in the Cut Flower Commission Business.

Write for information or call and talk it over.

Telephone **J. K. ALLEN** 118 West 28th Street  
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CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES  
and all Seasonable Varieties of Cut Flowers

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1625 Ranstead St., Philadelphia  
EVERYTHING IN CUT FLOWERS  
Gardenias and Orchids a specialty.  
"Jake" knows the ropes. Give him a trial. Consignments solicited.

Established 1888 Tel. 551 Madison Sq.

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We Solicit Consignments of New England Grown Novelties.

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Pittsburgh, Pa. Joseph O. Parker who has been visiting his father, O. J. Parker, of Scobie and Parker, will leave in a few days for his home San Dimas, Los Angeles County, California.

### GUTTMAN & RAYNOR, Inc.

A. J. GUTTMAN, President.

### Wholesale Florists

101 W. 28th St., NEW YORK

We have 20 years' experience behind us.  
Telephone, Farragut 2036-2037-558.

### D. C. Arnold & Co., Inc. Wholesale Florists

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Consignments Solicited.

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### Florists' Supplies

We manufacture all our  
total Designs, Baskets, Wire Work & Novelties  
and are dealers in  
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Flowers Sold on Commission  
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Good Stock Solicited

PERCY W. RICHTER, Mgr., NEW YORK  
111 W. 28th Street

Horticulture Pub. Co.

Gentlemen: Please discontinue my  
classified advertisements and give me  
a chance to catch up with orders.  
Pa. M.

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Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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For page see List of Advertisers.

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Asparagus plants, 3 to 5 in. above pots, \$1.50 per 100; 3 in. pots, \$5.00 per 100; same to pot size. Cash please. B. C. BLAKE, R. D. 4, Springfield, Ohio.

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New York City.  
Plant and Bulb Sales by Auction.  
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Elliott Auction Co., New York City.  
Plant Auctioneers.  
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## AZALEAS

P. Ouwerkerk, Hoboken, N. J.  
For page see List of Advertisers.

## BASKETS

H. Bayersdorfer & Co., Philadelphia, Pa.  
For page see List of Advertisers.

## BEDDING PLANTS

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For page see List of Advertisers.

R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.

For page see List of Advertisers.

## BEGONIAS

	Per 100
BEGONIA LORRAINE, 2 1/2 in. ....	\$12.00
3 in. ....	20.00
4 in. ....	35.00
5 in. ....	50.00
BEGONIA CINCINNATI, 2 1/2 in. ....	15.00
3 in. ....	25.00
3 1/2 in. ....	30.00
4 1/2 in. ....	40.00

JULIUS ROEHRS CO., Rutherford, N. J.

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Kroeschell Bros. Co., Chicago.  
For page see List of Advertisers.

King Construction Co., North Tonawanda, N. Y.  
"King Ideal" Boiler.  
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Lord & Burnham Co., New York City.  
For page see List of Advertisers.

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## BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.  
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

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BOX TREES Standards, Pyramids and Bush. In various sizes. Price list on demand. JULIUS ROEHRS CO., Rutherford, N. J.

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For page see List of Advertisers.

J. M. Thorburn & Co., New York City.  
For page see List of Advertisers.

Ralph M. Ward & Co., New York City.  
Lily Bulbs.  
For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.  
Gladstoll.  
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August Bolker & Sons, New York City.  
Forcing Bulbs and Plants.  
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R. & J. Farquhar & Co., Boston, Mass.  
For page see List of Advertisers.

Chas. Schwake & Co., New York City.  
Horticultural Importers and Exporters.  
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A. Henderson & Co., Chicago, Ill.  
For page see List of Advertisers.

Burnett Bros., 98 Chambers St., New York.  
For page see List of Advertisers.

Henry F. Mitchell Co., Philadelphia, Pa.  
For page see List of Advertisers.

Joseph Breck & Sons Corp., Boston, Mass.  
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W. E. Marshall & Co., New York City.  
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Fottler, Fiske, Rawson Co., Boston, Mass.

C. KEUR & SONS, HILLEGOM, Holland.  
Bulbs of all descriptions. Write for prices.  
NEW YORK Branch, 8-10 Bridge St.

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Budding Cannas, etc.  
For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.  
Canna Roots.  
For page see List of Advertisers.

Newest list of the newest Cannas just out. Complete assortment of the finest sorts, at remarkable rates.

Send for list today.  
THE CONARD & JONES CO.  
West Grove, Pa.

## CARNATIONS

Wood Bros., Flushing, N. Y.  
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F. Dorner & Sons Co., Lafayette, Ind.  
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Littlefield & Wyman, North Abington, Mass.  
New Pink Carnations, Miss Theo.  
For page see List of Advertisers.

E. G. Hill Co., Richmond, Ind.  
New Carnations Alice Coombs.

## CARNATION STAPLES

Split carnations quickly, easily and cheaply made. Pillsbury's Carnation Staple, 1000 for 35c; 3000 for \$1.00 post paid. I. L. PILLSBURY, Galeburg, Ill.

Supreme Carnation Staples, for repairing split carnations, 35c per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

## CHRYSANTHEMUMS

Charles H. Totty, Madison, N. J.  
Chrysanthemums, this year Seattle.  
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Elmer D. Smith, Adrian, Mich.  
New Chrysanthemum Catalogue for 1916.  
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## COLEUS

Coleus, Golden Bedder, Verschaffeltii, Queen Victoria, Firebrand and all leading varieties, including the Pink and Yellow Trailing Queen, clean, strong, well rooted cuttings, \$6.00 per 1000. Cash with order, and satisfaction guaranteed. Send for list. Largest grower of coleus in the U. S. A. NAHLIK, 291-75 Lawrence St., Flushing, N. Y.

Christmas Gem Coleus, 3c. B. C. BLAKE, R. D. 4, Springfield, Ohio.

## DAHLIAS

R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.

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Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens. J. L. MOORE, Prop., Northboro, Mass.

## NEW PAEONY DAHLIA

John Wainmaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

## DECORATIVE PLANTS

Robert Craig Co., Philadelphia, Pa.  
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Woodrow & Marketon, New York City.  
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Robbink & Atkins, Rutherford, N. J.  
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Thomas Roland, Nahant, Mass.  
High Grade Plants for Retail Florists.  
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A. M. Davenport, Watertown, Mass.  
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## DRACAENAS

Jullus Roehrs Co., Rutherford, N. J.  
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Dracaena, 1 in. to 2 in. potted, 3c; 4 in. potted, 6c., well established. Cash please. B. C. BLAKE, R. D. 4, Springfield, Ohio.

## FERNS

John Scott, Brooklyn, N. Y.  
The Home of the Seattle Fern.

H. H. Barrows & Son, Whitman, Mass.  
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A. M. Davenport, Watertown, Mass.  
Boston and Whitman Ferns.  
For page see List of Advertisers.

Ferns from 2 in. pots, immediate delivery. Boston, 3c; Roosevelt, 4c; Teddy, Jr., 5c.; 4 in. Boston, 12c.; 4 in. Teddy, Jr., 15c., extra heavy. Cash please. B. C. BLAKE, R. D. 4, Springfield, Ohio.

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**FERTILIZERS**

Pulverized Manure Co., Chicago, Ill.  
Wizard Brand Cattle Manure.

**FLORISTS' LETTERS**

Boston Florist Letter Co., Boston, Mass.  
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**FLORISTS' SUPPLIES**

N. F. McCarthy & Co., Boston, Mass.  
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Reed & Keller, New York City.  
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S. S. Pennock-Meehan Co., Philadelphia, Pa.  
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H. Bayersdorfer & Co., Philadelphia, Pa.  
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Welch Bros. Co., Boston, Mass.  
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**FLOWER POTS**

W. H. Ernest, Washington, D. C.  
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A. H. Hews & Co., Inc., Cambridge, Mass.  
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**FUCHSIAS**

R. Vincent, Jr. & Sons Co., White Marsh, Md.  
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**FUNGICIDES**

Benj. Hammond, Beacon, N. Y.  
Copper Solution.

Aphine Mfg. Co., Madison, N. J.  
Fungine.  
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**GARDEN TOOLS**

B. G. Pratt Co., New York City.

**GERANIUMS**

R. Vincent, Jr., & Sons Co.  
White Marsh, Md.  
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Geraniums—Ricard, Doyle, Nutt, Poltevine and Chevalier, from 2½-inch pots, immediate or later delivery, \$20.00 per 1000. Rooted Cuttings, \$15.00 per 1000. Cash with order. WM. F. KOENIG, 566 Hamilton Ave., West New York, N. J.

GERANIUMS—Sept. and Oct. rooted, for immediate shipment, La Favorite, Jean Oberle, Gen. Grant, Apple Blossom, strong single stem, 2½ in., \$2.00 per 100; branched, 2½ and 3 in., and single stem, 3 in., \$3.00 per 100. Cash with order, please. SUNNYSIDE GREENHOUSES, Groton, N. Y.

**GLADIOLI**

John Lewis Childs, Flowerfield, L. I., N. Y.  
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A. Henderson & Co., Chicago, Ill.  
Forcing Gladioli.  
For page see List of Advertisers.

America bulbs for forcing, 1½ in. up, \$6.00. Selected, \$8.00. Blooming size, \$4.00; 250 for \$1.00. Special price on large order. Write for 1916 Surplus List. BROOKLAND GARDENS, Woburn, Mass.

**GLASS**

Sharp, Partridge & Co., Chicago.  
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Parahelsky Bros., Inc., Brooklyn, N. Y.  
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Royal Glass Works, New York City.  
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Greenhouse glass, lowest prices JOHN-STON GLASS CO., Hartford City, Ind.

**GLAZING POINTS**

H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.  
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**GREENHOUSE BUILDING MATERIAL**

King Construction Co., N. Tonawanda, N. Y.  
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Parahelsky Bros., Inc., Brooklyn, N. Y.  
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Lord & Burnham Co., New York City.  
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A. T. Stearns Lumber Co., Neponset, Boston.  
Pecy Cypress.

**GREENHOUSE CONSTRUCTION**

King Construction Co., N. Tonawanda, N. Y.  
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Lord & Burnham Co., New York City.  
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S. Jacobs & Sons, Brooklyn, N. Y.

Hitchings & Co., New York City.

A. T. Stearns Lumber Co., Boston, Mass.

**GREENHOUSE SHADING**

E. A. Lippman, Morristown, N. J.  
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King Construction Co., N. Tonawanda, N. Y.  
King Channel Gutter.  
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**HAIL INSURANCE**

Florists' Hall Asso. of America.  
J. G. Esler, Saddle River, N. J.  
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**HARDY FERNS AND GREEN GOODS**

Michigan Cut Flower Exchange, Detroit, Mich.  
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The Kervan Co., New York.  
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**HARDY PERENNIALS**

Bay State Nurseries, No. Abington, Mass.  
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P. Ouwerkerk, Hoboken, N. J.  
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Palisades Nurseries, Sparkill, N. Y.  
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Old Town Nurseries, South Natick, Mass.  
Evergreens and Hardy Perennials.

**HEATING APPARATUS**

Kroeschel Bros. Co., Chicago.  
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Lord & Burnham Co., New York City.  
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**HOT BED SASH.**

A. T. Stearns Lumber Co., Neponset, Mass.

Parahelsky Bros., Inc., Brooklyn, N. Y.  
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Standard hotbed sash, 1½ in. thick, with crossbar, 80c. each; lots of 25 and over, 75c. each. Blind tenons; white leaded in joints. The life of a sash depends on this construction. We GUARANTEE our sash to be satisfactory or refund your money. Glass, 6 x 8, 8 x 10, 10 x 12, or 10 x 14, \$1.50 per box of 50 sq. ft. C. N. ROBINSON & BRO., Dept. 29, Baltimore, Md.

Lord & Burnham Co., New York City.  
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Foley Greenhouse Construction Co., Chicago, Ill.  
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**HOSE**

H. A. Dreer, Philadelphia, Pa.  
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**HYACINTHS**

HYACINTHS, 3 colors, 4 in. pots, \$7.00 per 100. PRIMROSES in bloom, 4, 5 and 6 in. pots, 10c., 15c., 20c. PRIMROSE MALACOIDES, 4 in., in bloom, 15c. VINCAS, 3 in., 4c. FUCHSIAS, 2 in., 2c. REGONIA CHATELAINE, 5 in., in bloom, 25c. CYCLAMEN in bloom, 25c., 35c., 50c., 75c. ASPARAGUS PLUMOSUS, 4 in., 7c. AZALEAS for late forcing, 75c. GLADIOLUS bulbs, \$10.00 per 1000. ROSENDALE GREENHOUSES, Schenectady, N. Y.

**INSECTICIDES**

Benjamin Hammond, Beacon, N. Y.  
Hammond's Slug Shot—Grape Dust.  
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Aphine Manufacturing Co., Madison, N. J.  
Aphine.

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Nicotine Mfg. Co., St. Louis, Mo.  
Aphis Punk and Nikoteen.  
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**IRRIGATION EQUIPMENT**

Skinner Irrigation Co., Brookline, Mass.  
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**KENTIAS**

Henry A. Dreer, Philadelphia, Pa.

**LILY BULBS**

Chas. Schwake & Co., New York City.  
Horticultural Importers and Exporters.  
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R. M. Ward & Co., New York, N. Y.  
Japanese Lily Bulbs of Superior Quality.  
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Joseph Breck & Sons Corp., Boston, Mass.  
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**LILY OF THE VALLEY PIPS**

Chas. Schwake & Co., Inc., New York City.  
Hohmann's Famous Lily of the Valley Pip.  
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Loechner & Co., New York City.  
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J. M. Thorburn & Co., New York City.  
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McHutchison & Co., New York City.  
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**MANETTI STOCKS—ENGLISH**

McHutchison & Co., New York City.  
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**MASTICA**

F. O. Pierce Co., New York City.  
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National Nurseryman Publishing Co., Inc., Rochester, N. Y.  
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Nicotine Mfg. Co., St. Louis, Mo.  
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Aphine Mfg. Co., Madison, N. J.  
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P. Ouwerkerk, Weehawken Heights, N. J.  
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The D. Hill Nursery Co., Dundee, Ill.  
Hill's Evergreens.  
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Hardy, Northern Grown Stock.  
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Robbink & Atkins, Rutherford, N. J.  
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August Roiker & Sons, New York City.  
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**In writing to Advertisers kindly mention Horticulture**

**NUT GROWING.**

The Nut Grower, Waycross, Ga.  
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**ONION SETS**

Leonard Seed Co., Chicago, Ill.  
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**ORCHID FLOWERS**

Jas. McManus, New York, N. Y.  
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**ORCHID PLANTS**

Julius Roehrs Co., Rutherford, N. J.  
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Lager & Hurrell, Summit, N. J.  
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**PANDANUS VEITCHI**

Julius Roehrs Co., Rutherford, N. J.  
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**PANSY PLANTS**

Pansies, the big plant flowering kind, \$5.00 per 1000, in ball and bloom, \$5.00 and \$15.00 per 1000. Cash. If I could only show the nice plants, hundreds of testimonials and repeat orders I would be flooded with new business. JAMES MOSS, Johnsville, Pa.

**PEONIES**

Peonies. The world's greatest collection, 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

**PECKY CYPRESS BENCHES**

A. T. Stearns Lumber Co., Boston, Mass.

**PELARGONIUMS**

Roman J. Irwin, New York City.  
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**PIPE AND FITTINGS**

Kroeschell Bros. Co., Chicago.  
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**King Construction Company,**

N. Tonawanda, N. Y.  
Shelf Brackets and Pipe Hangers.  
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**PLANT AND BULB IMPORTS**

Chas. Schwake & Co., New York City.  
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August Rolker & Sons, New York City.  
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McHutchison & Co., New York City.  
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**PLANT TRELLISES AND STAKES**

Seele's Teless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

**PLANT TUBS**

H. A. Dreer, Philadelphia, Pa.  
"Riverton Special."

**RAFFIA**

McHutchison & Co., New York, N. Y.  
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**RHODODENDRONS**

P. Ouwerkerk, Hoboken, N. J.  
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S. S. Pennock-Meehan Co., Philadelphia, Pa.  
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Bay State Nurseries, North Abington, Mass.  
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A. N. Pierson, Inc., Cromwell, Conn.  
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Waban Rose Conservatories, Natck, Mass.  
New Rose Mrs. Bayard Thayer.

THE CONARD & JONES COMPANY,  
Rose Specialists  
West Grove, Pa. Send for offers.

**SCALECIDE**

B. G. Pratt Co., New York City.

**SEASONABLE PLANT STOCK**

R. Vincent, Jr. & Sons Co., White Marsh, Md.  
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**SEED GROWERS**

California Seed Growers' Association,  
San Jose, Cal.  
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**SEEDS**

Carter's Tested Seeds,  
Seeds with a Pedigree.  
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**Kelway & Son,**

Langport, Somerset, England.  
English Strain Garden Seeds.  
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S. D. Woodruff & Sons, New York City.  
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R. & J. Farquhar & Co., Boston, Mass.  
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J. M. Thorburn & Co., New York City.  
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Lochner & Co., New York City.  
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Winter Flowering Sweet Pea Seed  
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W. E. Marshall & Co., New York City.  
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Leonard Seed Co., Chicago, Ill.  
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D. P. P. Roy, Chicago, Ill.  
Seeds, Bulbs, Plants.  
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Sutton & Sons, Reading, Eng., and  
Winter, Son & Co., New York City.  
Old English Garden Seeds.

Fottler, Flske, Rawson Co., Boston, Mass.  
Seeds for the Florist.

**SKINNER IRRIGATION SYSTEM**

Skinner Irrigation Co., Brookline, Mass.  
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**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and  
orchid baskets always on hand. LAGEN  
& HURRELL, Summit, N. J.

**SPRAYING MATERIALS**

B. G. Pratt Co., New York City.

**STANDARD THERMOMETERS**

Standard Thermo Co., Boston, Mass.  
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**STOVE PLANTS**

Orchids. Largest stock in the country—  
Stove plants and Crotons, finest collection.  
JULIUS ROEHRS CO., Rutherford, N. J.

**STRAWBERRY PLANTS.**

Strawberry Plants, 1000 varieties, at  
\$2.50 per 1000. Catalogue free. BASIL  
PERRY, Georgetown, Delaware.

**SWEET PEA SEED**

Ant. C. Zvolanek, Lompoc, Calif.  
Gold Medal of Honor Winter Orchid Sweet  
Peas.

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Reed & Keller, New York City.  
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WORKS, 264 Randolph St., Detroit, Mich.

**WHOLESALE FLORISTS**

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.  
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The S. S. Pennock-Meehan Co., Franklin  
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D. C. Arnold & Co., Inc., 112 West 28th St.,  
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### DAFFODILS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.  
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### GREENHOUSE CONSTRUCTION.

Metropolitan Material Co., New York City.  
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### NEW CARNATION COTTAGE MAID.

Cottage Gardens Co., Inc., Queens, N. Y.  
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### SEEDS THAT GROW.

W. Atlee Burpee & Co., Philadelphia, Pa.  
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### SUPERIOR TUBEROUS ROOTED BEGONIAS, GLOXINIAS AND FANCY-LEAVED CALADIUMS.

Henry A. Dreer, Philadelphia, Pa.  
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## THE NUT-GROWER

The unique monthly publica-  
tion which furnishes reliable  
and interesting up-to-date in-  
formation regarding the value  
of pecans and other edible nuts  
and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

**THE NUT-GROWER**  
No. 2 Francis St.  
**WAYCROSS, GA.**

### PROPOSALS

TREASURY DEPARTMENT, Supervising  
Architect's Office, Washington, D. C.  
January 26, 1916.—SEALED PROPOSALS  
will be received in this office until 10 A. M.,  
February 16, 1916, and then opened for  
planting trees, shrubs, etc., on the grounds  
of the Federal Buildings at Darlington,  
Laurens, Newberry, Orangeburg, Sumter,  
and Union, S. C.; Augusta, Bainbridge,  
Carrollton, Cedartown, Cordele, Dublin,  
Elberton, Milledgeville, Valdosta, and Way-  
cross, Georgia; Cullman, Dothan, Eufaula,  
and Troy, Ala.; and Fernandina, Fla., in  
accordance with the specification, copies of  
which as well as copies of the plans of  
the several buildings may be obtained by  
application to the respective Custodians of  
the buildings, or at this office, JAS. A.  
WETMORE, Acting Supervising Architect.

## WANTS, FOR SALE, ETC.

Advertisements in this column  
one cent a word. Initials count as  
as words. Cash with order. All  
correspondence addressed "Care  
HORTICULTURE" should be sent  
to 147 Summer St., Boston.

### HELP WANTED

WANTED—An experienced nurseryman  
for New England position. One who un-  
derstands propagating, has good record  
and is not afraid of work, can get good  
position. "F. A.," care HORTICULTURE.

WANTED—Experienced foreman for  
general landscape work, with knowledge of  
hardy trees, shrubbery and herbaceous ma-  
terial, road building, grading, etc. Ad-  
dress "R.," care of HORTICULTURE.

WANTED—First-class, experienced sales-  
man in large wholesale cut flower estab-  
lishment. "S.," care of HORTICULTURE.

WANTED—Bright, intelligent, faithful  
salesman in Metropolitan flower store.  
"N.," care of HORTICULTURE.

### SITUATIONS WANTED

SITUATION WANTED—By single man  
experienced under glass and outdoors, both  
on private and commercial places. For  
last two years has been in charge of pot  
plant department of a large concern, where  
fancy stock is grown. Wishes position as  
first assistant on large private or commer-  
cial place in order to become acquainted  
with new methods. Never uses liquor or  
tobacco in any form and a hustler. Best  
of references; age 26. R., care of HORTI-  
CULTURE.

### BUSINESS OPPORTUNITIES

THERE'S a good chance on the Main  
Line suburban Philadelphia for a live wire  
raising and selling flowers. Near station.  
Two acres, worth \$5000 an acre. Five glass  
houses (one of them cost \$2000 two years  
ago), stable, outhouses, horses, wagons and  
other appurtenances. Also the good-will of  
a business running successfully for 20  
years. In all, counting the site, value 10—  
the horses, wagons and things, 5—the good-  
will, 5. I should say \$20,000 the real value.  
I believe you could buy it for much less  
right now. Reason: the owner is in bad  
health and would like to see some live  
young one take a hold of it even if owner  
has to give him a bargain. I know some-  
thing about the business myself—and this  
is no fake! I think it is a splendid chance  
for a young man with a little backing. It  
isn't a case of all cash, so long as the back-  
ing is good the rest can be arranged. Ad-  
dress G. C. W., care Pennock Meehan Co.,  
1614 Ludlow street

### FOR SALE

FOR SALE—Fresh from factory, new;  
10 x 12, 16 x 18, 18 x 24, double thick. A  
and B qualities. Market dropped. Now is  
the time to buy and save money.  
PARSHESKY BROS., INC., 215-217  
Havemeyer St., Brooklyn, N. Y.

FOR SALE—An old established and good  
paying florist business in Montreal. Small  
capital required. Quick sale. Address "M. A. B.," care of  
HORTICULTURE.

### MISCELLANEOUS

WANTED—To Buy Second-Hand Green-  
house, near Boston; must be in good  
condition, 13 to 15 ft. wide and 24 to 30 feet  
long. We do the moving. State details  
and price to TATE MFG. CO., 48 Han-  
over St., Boston, Mass.

**In writing to Advertisers kindly mention Horticulture**

## During Recess

### Nassau County Horticultural Society.

The annual dinner of the society, at which one of the winter events of the New Year season is celebrated, was held at the clubhouse of the Nassau County Horticultural Society, January 25. The dinner was very pleasantly conducted by James H. Ricketts, Esq., with a program of the most interesting and varied nature. Eighty members and guests sat at the tables, a small number being absent owing to the gripe epidemic, the president of the society, James Macdonald, being among the victims. Vice-President Joseph Adler introduced C. H. Totty of Madison, N. J., as toastmaster, and that well experienced gentleman filled the position with marked brilliancy. The toasts and speakers were as follows: "Our Country," Supervisor Cox; "Our Society," J. F. Johnston, who voiced a joyous welcome to the visitors; "Our City," Frank Bowne; "Sister Societies," James Duthie, for the Oyster Bay Society, Thomas Lee for the Tarrytown Society and William Duckham for the Morris County, N. J., Society; "The Horticultural Press," W. J. Stewart; "The Seed Trade," George Burnett, followed by Messrs W. A. Sperling, Don and W. J. Collins; "Allied Trades," Andrew Wilson. Other speakers were J. Austin Shaw, who recited some original verses to the ladies, who, unfortunately were not present to hear them; Lawyer McCarthy, who spoke for the North Side of Long Island, and proposed a toast to President Wilson; J. B. Deamud, who recited poetry, and Dr. Connolly. A letter was read from M. C. Ebel regretting his inability to attend. Mr. Gillen entertained with stories and recitations from time to time throughout the evening and W. J. Collins sang a Scotch song in fine style. An interesting incident was the presentation of a pair of fine gold sleeve buttons to the retiring president, Ernest Westlake.

### Peter Henderson & Co. Employees' Dinner.

On Wednesday evening, January 19, the annual dinner tendered to the heads of departments and those of the travelers' staff of Peter Henderson & Co., who were at home, took place at Mouquin's on Fulton street, New York City. There were twenty-six at the table and everyone enjoyed themselves. All felt that the outlook for the coming year was very good, from a business standpoint.

### Bowling at Roslindale, Mass.

A very hotly contested bowling match was played on the Regal Bowling Alleys, Roslindale, Mass., January 21, between the team of R. & J. Farquhar's nursery employees, captained by John VanLeeuwen and a contingent of private gardeners from Brookline, captained by Donald McKenzie, the result being in favor of the Farquhar team by a score of 1295 to 1202. Both teams were well represented by enthusiastic rooters. A return match has been arranged when

## SUBSTANTIAL ADDITIONS TO THE DREER NURSERY.



Dreer's new warehouse and table at their Riverton Nursery are now completed except a few minor details. The warehouse is 140 feet long and 40 feet in width, located in a central position and easy of access from the greenhouses. The construction is of hollow tile with slag roof and the structure is fire proof, floors being also of hollow tile, steel and concrete. The outer walls are finished in rough concrete stucco upon the tile, giving the building a neat and substantial appearance.

The interior arrangements have been carefully planned for the purposes for which the building will be used. One end of the first floor, covering a space of 30 x 40 feet, has been made absolutely fire-proof and will be used for storing the Dreer fleet of automobile trucks and cars. The cellar and first floor are now being used for the storage of such bulbs as gladioli, dahlias, tuberous-rooted begonias, amaryllis, cannas, etc., while the upper floors will be used for the storage of packing materials.

In designing this new building spe-

cial attention was given to light and ventilation, as will be noticed by the numerous large windows shown in the picture herewith. The building is heated by steam furnished from the central boiler plants of the greenhouses, so that there is no fire in the building and the hollow tile has been found very efficient in maintaining an even temperature, this being shown during the recent spell of cold weather, when with the outside temperature at 10 degrees, the two runs of 1½-inch pipe (280 feet) held the temperature uniformly at 43 degrees on the first floor, while the basement, without any artificial heat, did not drop below 42 degrees. There is now being installed in the building an improved system of hydraulic elevator and also electric lights. The new stable which replaces an old frame barn, is also of hollow tile and stucco, and presents a very pleasing appearance in its location at that portion of the nursery in which the rock garden and lily ponds are located. It is fitted up with every convenience and thoroughly up to the times.

the Brookline boys promise to reverse the score.

### Boston Florists' Bowling League

Cyprien	1304	M & M	1290
Flower, Fx	1241	Zehn	1217
Flower, M&C	1134	Galvin	1188
Pansies	1121	Robinson	1100

### STANDING AS TO POINTS

	W	L		W	L
Galvin	29	13	Pansies	29	19
Flower, M&C	26	16	Flower, Fx	21	20
Cyprien	24	18	Robinson	19	21
Zehn	21	28	M & M	19	26

The Pansies team has changed the name to the B. C. F. Co. & Comley.

### CARNATION COTTAGE MAID.

This new candidate for public approval, which is the subject of our cover illustration this week, is a flesh pink sport of Mrs. C. W. Ward. The Cottage Gardens Company has been exhibiting Cottage Maid for the past two years and this year have been shipping a large number of blooms to the New York market. The variety is therefore well known and enterprising growers are placing advance orders for stock. Its fine keeping qualities and other good traits were well demonstrated at the big Cleveland Flower Show last fall. The trade is all ready for Cottage Maid.

New Haven, Ct. — The interest of John Oleson in the greenhouse business of Oleson & Francis on Bristol street has been purchased by Francis Bros.

## Personal

Roger W. Peterson of the firm of J. A. Peterson & Sons, was married to Miss Isabelle C. Reemelin, at Westwood, Ohio, on Wednesday, January 12.

Nelis Christensen, the market gardener at Wilson's, Hartford, Conn., was seriously burned and two rooms in his house were badly damaged by an explosion of gasoline, on January 20.

Albert K. Gardner, state horticulturist, of Lewiston, Me., has resigned to take up farm extension work under Dean Leon S. Merrill, of the State College of Agriculture, and will make his headquarters at Farmington.

William Duckham and Mrs. Duckham expect to start next Monday on a three-weeks' vacation in Florida. Mr. Duckham has been engaged during the past year in laying out a new park system for Madison, N. J., in addition to his regular duties and has well earned a rest.

Alexander Lurie, in charge of the division of floriculture of the department of horticulture, University of Maine, has just resigned his position, and on March 10 will go to St. Louis, where he will be horticulturist in the Missouri Botanical Garden. Mr. Lurie, who is graduate of Cornell, came to the University of Maine in 1914.

## USED BY FLORISTS OVER 30 YEARS



PAN-PACIFIC PRESS ASSOCIATION, LTD.

San Francisco, Calif.

October 16, 1915.

Mr. Benjamin Hammond, Beacon, N. Y.

Dear Sir: The Horticulture Jury, of which the writer was a member, awarded you a Gold Medal for your insecticides, and when you take into consideration the fact that that Jury, outside of the writer, was composed of some of the famous experts of the world, you will realize the importance of this award. Verification of this may be obtained from Mr. George A. Dennison, Chief of Horticulture, Panama-Pacific International Exposition.

The writer has been requested to furnish a list of the articles which the Jury endorsed by their action in awarding prizes because of merit. This request comes from representatives of foreign countries and states.

Respectfully yours,

Signed: J. A. BUCHANAN, Gen. Mgr.  
Pan-Pacific Press Association.

PANAMA-PACIFIC INTERNATIONAL EXPOSITION  
San Francisco, Calif.

Division of Exhibits Office of the Chief  
DEPARTMENT OF HORTICULTURE

November 3, 1915.

Mr. Benjamin Hammond, Beacon, N. Y.

Dear Sir: Replying to your letter of October 28th, I wish to say that the Jury awarded Slug Shot, Grape Dust and Copper Solution a Gold Medal.

Yours very truly,

Signed: G. A. DENNISON,  
Chief of Horticulture.

**Sold by the Supply Houses of America**  
**BENJAMIN HAMMOND, BEACON, N. Y.**

### WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

The regular monthly meeting of this society took place in their new home in the Isaac Hubbard Hall, Greenwich, Ct., on Jan. 14. The principal features were the installation of officers and the competition for the prize offered by Mr. Grierson for the most meritorious exhibit. The honors were carried off by Thos. Ryan with a fine vase of Pink Sensation carnation. The other exhibits received the thanks of the society; the most important were display of carnations, violets and cauliflower from Wm. Graham; Narcissus Grand Soliel d'Or from P. W. Popp; Euphorbia Jacquinæflora from Jas. Stuart. Mr. Stuart had on a previous occasion received the highest honors for Euphorbia. It was voted to hold the usual summer and fall exhibitions as in the past. We take this opportunity of thanking our many kind friends who financially and otherwise have enabled us to make such a fine record at our exhibitions the past year, and we hope to merit a continuation of the same hearty support in the future.

Resolutions of sympathy were adopted and ordered sent to the bereaved family of the late Geo. Lander, Jr., of Greenwich, Ct., in whose death the society suffers the loss of an esteemed honorary member and a good friend. A communication was received from Mr. Wm. Kleinheinz urging the members to be represented at the big show to be held in Philadelphia in March. Also one from the National Association of Gardeners offering copies of the

essays read at the Boston convention. The offer was unanimously accepted.

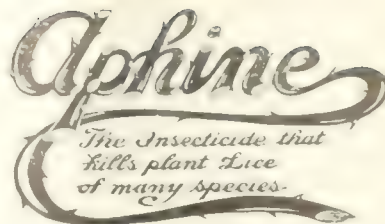
During recess Jas. Stuart, assisted by P. W. Popp, entertained the members with an account of their recent trip to Boston, voicing also the appreciation of others of our members who were present, of the hospitality of the gardeners and horticultural interests of Boston, and the A. N. Pierson Co., of Cromwell, Ct., for the splendid entertainment and horticultural treat.

For the next meeting A. J. Rickards, of New York, offers 1st and 2nd prizes for the best flowering plants. There will be a Sociable Session in connection with the meeting. A committee has been appointed to arrange for the annual entertainment to be held in February. Next meeting Feb. 11. Officers for ensuing year are: President, W. J. Sealey; vice-president, Owen A. Hunwick; secretary, J. B. McArdle; treasurer, Robt. Williamson; cor. sec'y, P. W. Popp; executive committee, Wm. Whitton, Thos. Ryan, John T. Burns, Oscar Addor and Anton Peterson.

P. W. Popp, Cor. Sec'y.

### RHODE ISLAND HORTICULTURAL SOCIETY.

Prof. Harlan H. York of Brown University was re-elected President of the Rhode Island Horticultural Society at the 71st annual meeting held Jan. 19. Satisfactory reports were received from the treasurer and other officers and committees of the society. Other officers were elected as follows: First Vice-president, Dr. H. W. Heaton; second vice-president, Marcus Burdick; secretary, Edward K. Thomas; treas-



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Quart, \$1.00; Gallon, \$2.50.

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An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.

Quart, 75c.; Gallon, \$2.00.

### VERMINE

A soil sterilizer for cut, eel, wire and angle worms.

Quart, \$1.00; Gallon, \$3.00.

### SCALINE

For San Jose and various scale on trees and hardy stock.

Quart, 75c.; Gallon, \$1.50.

### NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

Quart, \$1.50; Gallon, \$4.50.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

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MADISON, N. J.

GEO. A. BURNISTON  
President

M. C. EBEL  
Treasurer

urer, Harold L. Madison; member of board of trustees, Frederick S. Peck; botanist, Prof. J. Franklin Collins; entomologist, Prof. A. E. Stene; committee on necrology, Joseph E. C. Farnham; auditing committee, William Steele, Edward D. Brooke, Jr., and Arthur C. Miller; exhibition committee, Eugene A. Appleton (chairman) Joshua Vose, Arthur Sellew, Cornelius Hartstra, Dr. H. W. Heaton and Henry Chandler; lecture committee, Thomas Hope and Prof. John E. Hill.

Following the business session, Dr. Burt L. Hartwell, director of the Experiment Station of the Rhode Island State College, gave an address on "The Chemistry of the Garden." He took up the feeding of plants and the best methods of feeding the soil with plant foods. The effects of certain plant foods on flowers and fruits were explained by the speaker.

### NEWPORT HORTICULTURAL SOCIETY.

At the January meeting of this society a paper on "Sweet Peas for Exhibition" was read by William Gray, and one on "Gardening for Amateurs" by James Robertson. Both papers brought out interesting discussion. It was one



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Century and a Half**HEWS****STRONG  
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CAMBRIDGE, MASS.  
NEW YORK, N. Y.**KING**The name that assures "the  
most for the money" in**GREENHOUSES**Write for Bulletin No. 47  
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**SKINNER  
SYSTEM**

OF IRRIGATION.

MARK.

Florists ask for information re-  
garding our New Greenhouses  
Nozzle. Greater spread, which  
means less pipe.**THE SKINNER IRRIGATION COMPANY**

33 Station St.

Brookline, Mass.

**DREER'S**Florist Specialties.  
New Brand. New Style.  
Hose "RIVERTON"  
Furnished in lengths up  
to 500 ft. without seam or  
joint.The HOSE for the FLORIST  
1/2 inch, per ft., 15 c.  
Reel of 500 ft., " 14 1/2 c.  
2 Reels, 1000 ft., " 14 c.  
1/4 inch, " 13 c.  
Reels, 500 ft., " 12 1/2 c.  
Couplings furnished**HENRY A. DREER,**  
714 Chestnut St.,  
PHILADELPHIA, PA.of the most interesting meetings held  
in some time and to keep up the inter-  
est more papers are forthcoming, one  
on "Budding and Grafting" being prom-  
ised by E. Kempenaar, the nursery  
man, for our next meeting. Papers are  
also in course of preparation by some  
of our assistant gardeners, notice of  
which will appear later. The schedule  
of the June show with the addition of  
the prize offered by Knight & Struck,  
for new sweet peas, was approved and  
ordered printed.St. Louis.—The committee who  
have the American Carnation Society  
meeting and exhibition in charge held  
a meeting on Thursday and reported  
that everything was in readiness for  
the reception of the visiting delegates.  
Mayor Kiel will welcome the dele-  
gates at the opening session Wednes-  
day at 7 P. M. The eastern delega-  
tion arrived Tuesday night and the  
western delegation on Wednesday  
morning.**Visitors' Register**Boston—L. J. Reuter, Westerv. R.  
I.; Gustave Thommen, Billerica, Mass.  
Cleveland, Ohio—J. K. M. J. Farquhar,  
Boston; Col. W. W. Castle, Bos-  
ton, Mass.Cincinnati—L. Bayersdorfer and Paul  
Berkowitz, Phila.; H. F. Winter,  
Charlestown, W. Va.Pittsburgh, Pa.—J. K. M. L. Farquhar,  
Boston, Mass.; Mr. Blackstock, rep. A.  
L. Randall Co., Chicago.Philadelphia—Mrs. Johansen, Victor  
Johansen Seed Co., Los Angeles, Cal.;  
D. Grillbortzer, Alexandria, Va.; C. B.  
Coe, D. M. Ferry & Co., Detroit, Mich.Chicago—C. B. Knickman, represent-  
ing McHutchison & Co., New York; J.  
J. Karins, of H. A. Dreer, Inc., Phila-  
delphia, Pa.; P. J. Smith, of H. Frank  
Darow, New York; Paul M. Paley, Lit-  
tle Rock, Ark.; Mrs. T. A. Moseley,  
Kansas City, Kansas; Mrs. Hugo  
Gross, Kirkwood, Mo.**GREENHOUSES BUILDING.**Oakland, Cal.—J. Murate, one house.  
Warren, Pa.—D. Offerle, rose house.  
Berlin, Conn.—Louis Edelson, house  
15x25.West Allis, Wis.—M. J. Schulte,  
house 18x57.Chester, Pa.—Milton H. Bickley,  
house 60x350.Warwood, W. Va.—Albert Lash, one  
house in the spring.Sayville, N. Y.—Jacob Becvar, Lake-  
land avenue, one house.Toledo, O.—John Barrow & Son, De-  
troit avenue, two houses.Indianapolis, Ind.—Hartje & Elder,  
two houses in the spring.Oil City, Pa.—Oakwood Rose Gar-  
dens, addition in the spring.Williamsport, Pa.—Williamsport Flo-  
ral Co., 146 West 4th street, one house  
in the spring.**NATIONAL FLOWER SHOW.**Window size posters for the Nation-  
al Flower Show are now ready for dis-  
tribution, and it is the desire of the  
Chairman of the Publicity Committee  
that retail florists in adjacent cities  
to Philadelphia use these for display  
purposes in the most conspicuous  
place that they can conveniently dis-  
play them in their windows or stores.  
Anyone desiring to use these posters  
will kindly address Mr. W. F. Therkind-  
son, care W. Atlee Burpee Co., or room  
1205 Widener Bldg., and same will be  
promptly mailed.**BUSINESS TROUBLES.**Everett, Mass.—Henry M. Pratt, 24  
Stuart street, landscape architect;  
liabilities, \$1,523.51; no assets.**The Greenhouse Builder's Test**What a greenhouse builder  
has done in the past, what he  
is doing now, and what he is  
reputed to be capable of doing,  
these things constitute the  
only valid test of a builder's  
capabilities and claims.Where an owner makes his selection  
of a builder on the above basis, the  
Metropolitan Material Co. organization  
can stand the test in a fashion which  
will make choosing easy.Forty-four years at greenhouse con-  
struction has made us experts. We  
flourish by comparison. Put your  
Greenhouse Problems up to us. Let  
us submit plans and prices. We go  
anywhere in the U. S. A.**METROPOLITAN MATERIAL CO.**1392-1414 Metropolitan Ave.  
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ducements made to secure business.  
Over 30 years' active practice. Ex-  
perienced, personal, conscientious  
service. Write for terms. Book  
free. Address,**SIGGERS & SIGGERS**Box 9, National Union Building  
Washington, D. C.**STANDARD FLOWER  
POTS**If your greenhouses are within 500  
miles of the Capitol, write us, we can  
save you money.**W. H. ERNEST**

28th &amp; M Sts., Washington, D. C.

**THE FLORISTS' HAIL ASSOCIATION**A mutual organization, insuring green-  
house glass against hail. Both commercial  
and private establishments are accepted.  
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On the job night and day. Adjust the hands at minimum and maximum temperature and this always-awake little instrument will warn you if temperature goes below or above the limit. **PADLOCKED** and cannot be tampered with. Absolutely accurate. You can locate the warning bell at your bedside or elsewhere.

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Gentlemen: Enclosed find check for ten dollars for two number one thermostats. Purchased of you two clocks and two thermometers in past and have had such good success with them am going to put these in remaining houses. Please hurry shipment as soon as possible.

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(Signed)

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RICHMOND, IND.

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Double and single thick selected glass all sizes from 6x8 to 16x24. Ten boxes or more at wholesale prices.

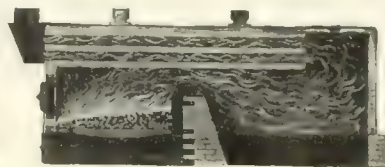
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Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Guaranteed and will not rust. No rights or lefts. The Peerless Glazing Point is patented. Name on it. Order from your dealer or direct from us.

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Sample free.

**HENRY A. DREER,**

714 Chestnut Street, Philadelphia.

FULL  
SIZE  
NO. 2



GARDEN OF J. H. WEST &amp; SONS' FRAMING HOUSES.

## How West Got Out of the Greenhouse Building Business

**O**NE day last August I was sitting in the lobby of a Cleveland Hotel, when who should come along but Chauncey West of Irondequoit. Of course, I was jolly glad to see him; everybody is. You just can't help being glad to see a man who wears a rare Sunny Jim smile like West; and always hands out such a hearty hand shake.

West has done considerable greenhouse building of one kind and another (lately it's been all one kind). So I asked him, off-hand like, how he ever came to put his money in Lord & Burnham houses. "Well," he replied, "we started to build your houses because we wanted to get out of the greenhouse building business and get into the growing business."

"We figured out that we didn't have time to stop our growing every few years, and rebuild our houses."

Then, up he jumped and gave the glad hand to a couple of Ashtabula growers.

But I sat still and thought over what he had said. As near as I could figure it out, J. H. West & Son will be out of the building business anywhere from a quarter to a half century, may be longer.

No one knows yet how long our iron frame houses will last.

If you want to permanently get out of building; and into growing; we are ready to talk with you.

Just say when and where and we will be there.

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Vol. XXIII

No. 6

FEB. 5

1916

# HORTICULTURE

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*Sedum spectabile*

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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the Editor of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Prope*.

## Carnations

Disbudding must now be looked after more frequently. To destroy aphids give light fumigation at least once a week. It is now time to begin liquid feeding especially with those benched earliest. The light mulch that was put on a month or six weeks ago will have disappeared by this time and the benches, being well filled with working roots should have a moderate mulch of either cow or sheep manure or bone meal. Mix one part of manure to two parts of soil and spread on about half an inch thick. When using sheep manure use it lighter. It is better to run the manure through a screen. The bone can be mixed in with the mulch. Look over the sides and ends of beds carefully on bright mornings and water wherever the soil is dry. As the season advances watering will require closer attention.

## Foliage Plants

Now that we are coming into the longer days and with increased sunshine, foliage plants should have a good syringing on all clear days, with a strong force of water, getting well under the leaves which will keep the plants from becoming infested by insects to any great extent. Should they become badly infested a thorough sponging should be given with some good insecticide such as Aphine or Lemon Oil. They now will stand more water at the roots as the under heat from the pipes and the stronger sun will soon dry them out. See that they have ventilation when outside conditions will permit; this is important. Some plants will want some shade now, but not too much; only enough to keep them from burning.

## Cattleyas

From now on all orchids will be showing more active growth. Those newly potted will want frequent syringing and plenty of moisture in their surrounding. Give strict care as to watering, but never overdo it. Ventilate on all possible occasions and keep the plants clean by frequent sponging. When potting cattleyas always be sure that they have an abundance of drainage of crocks and charcoal, are potted firmly, and staked if necessary until they become well established. I think there is nothing better for potting material than fern fiber but there are quite a few who still cling to live sphagnum moss. Both have good points.

Note: Stock:—*Euphorbia fulgens*; *Dracaenas*; *Gardenias*; *Saxifraga*; *Smilax*; *Salvia*

## Lily of the Valley

Lily of the valley pips can be planted either in the bench or in flats. When grown in flats or boxes they can be removed to a cooler house. The cleanest and most used material is sand about 6 inches in depth and the pips can be planted in it quite close together. They can be forced in any house that runs from 55 to 60 degrees where a bench can be cased in with boards over the heating pipes so as to maintain a bottom heat of 85 degrees. Always be very careful to have the water the same temperature at least as the sand, but from 5 to 8 degrees warmer would be still better. Any negligence or oversight all through their culture will very soon show. It is necessary to keep the top temperature from 55 to 60 for the successful forcing of lily of the valley. They will need to be heavily shaded to draw the flower spikes well up. Afterwards admit a little light by degrees to harden them up and give substance to the leaf-growth. It will take from four to six weeks until they are ready for cutting. Plant a succession of batches.

## Tuberous Begonias

When these begonias are given half a chance they are truly superb both in flower and foliage. Seed should be sown now for the coming season. Sow in pans using rough soil on the bottom and filling up with finely sifted loam two parts, leaf mold one part, and sharp sand one part. The soil should be then thoroughly moistened and pressed firmly and even. They will want some bottom heat—at least 70 degrees—and 75 would be better. In about 8 or 10 weeks the seedlings will be ready to prick out into flats using the same compost as that in which the seeds were sown. In May they should be ready for 2½-inch pots using a mixture composed of soil, old manure, and leaf mold with sand one-third each. At this stage they will be better in a temperature of 60 degrees with a raise to 75 with sunshine.

## Watering

During this month and next all plants will stand more water at the roots. A few hours neglect may spell ruin to pot-bound plants. When a plant is watered see that it receives enough to run through the bottom of the pot and also when planted out on a bench.

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### Important decision on tulip tariff

Announcement is made in our news columns this week of the fact that the Court of Customs Appeals in Washington rendered a decision on the 27th of January that tulips should have been assessed at fifty cents a thousand instead of one dollar a thousand, since the revision of the tariff, thereby obliging the Government to make a refund to all importers of fifty cents a thousand on tulips for the last several years since the tariff has been in effect. Of course, the Government has thirty days in which to ask for a re-hearing before the rebate will be effective. We doubt very much, however, that this will be done.

### A bad habit

Press despatches from St. Louis at the time of the session of the American Carnation Society in that city told the world that over 150,000 carnation blooms were staged in the exhibition there. At the standard of prices prevailing

in all sections at that time for carnations this would imply a business of not far from \$100,000 in cash value of carnations shipped. Proprietors' expectations to monopolize representation, as we have often remarked in many ways and a great injury to the flower business. The public are concerned to know at whatever season arrived and through the distorted and exaggerated stage which is so frequently dealt out to justify this making the carnation collection of an industry which perhaps more than any other, would attain its greatest and best results in respect to the dissemination of accurate knowledge and authentic information regarding it among all the people, old and young.

The great function of flower shows and "Tell the horticultural displays of any description is truth" or should be education. The more instruction given the public regarding horticulture

and horticultural products the deeper and stronger will be the appreciation for and desire to possess these productions—the offspring of the glorious alliance of nature and man working together to beautify the world. Much can be accomplished to this end through the medium of the flower shows, but let all mysticism, boasting and exaggeration be rigidly excluded from publicity work and press reports. The best means for assuring this is a thoroughly efficient information bureau on the spot and, for an exhibition of any great importance, this is really one of the most essential departments, and one which has thus far received but little attention from flower show managers. The lack of even rudimentary knowledge concerning plants and flowers on the part of the public is deplorable and on the part of the florist is a reproach for which there is no excuse. Misinformation, either ignorantly or intentionally given out, makes the situation worse and worse and this abuse should be vigorously assailed by all those who have anything to do with horticultural publicity work.

### An acute emergency

The Massachusetts Agricultural Experiment station at Amherst has recently issued several valuable bulletins on what is general looked upon as the most momentous subject connected with horticultural industry at the present time—the fertilizer question. Bulletin No. 4 of the "Control Series" gives a detailed report of the fertilizer inspection in the State of Massachusetts for 1915. It states minutely the trade values of fertilizer ingredients, with pound cost of each element of plant food furnished and a general summary shows the quality of ingredients in each manufacturer's product. The embargo placed upon potash by the German government and the almost prohibitive price on nitrate of soda due to the embargoes connected therewith for the manufacture of explosives has created an unprecedented situation and many products formerly in obscurity have now been brought into prominence. Serious attention is called in this bulletin to the unwisdom of purchasing low grade mixed fertilizers compounded from materials containing a very small amount of the needed plant food in comparison to their cost. We strongly advise our readers to procure copies of this 100 page publication in which they will find a vast amount of information of great value to them in the present emergency. Every measure for lessening the need for fertilizers, such as the selection of soil, the conservation and utilization of all home resources and persistent tillage, should be followed up in order to promote and maintain fertility.

## ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur Ruzicka*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

### Ventilation

With the weather unseasonably warm and dark, with frequent showers and plenty of fog, the man who looks after the ventilators will be up against a new problem every day. The main thing is to try to keep the houses cool during the dark days, never allowing them to go over 68 in the daytime with 66 as the regular mark. If possible a little steam should be turned in with a little air on the houses. With the thermometer up to 65 outside it will be rather difficult to keep the houses down with steam turned on, so they will have to go without unless the circulation is perfect in the steam pipes so that they can be kept warm with only about half a pound of steam in them. On clear days houses that have two rows of ventilators, one on each side of the ridge, will be much better off than the old style having only one row of vents on the south side. With a good weather vane to indicate the direction of the wind the vents can be opened on the north when the wind is south, and should the day be very warm then open the vents on the south side an inch for every six inches of air on the north side. With the older houses it will be necessary to open the ventilators even though the wind does blow in, for if the vents were allowed to remain low enough to keep the wind from blowing in the temperature inside would run very high, thus making the plants very soft and liable to mildew. The temperature at night should not be much more than 64, and less if the buds are getting small and the foliage on the plants soft and weak. Avoid heavy feeding unless the plants are growing very freely and then use liquid only once a week until the weather changes for the better.

### Disbudding

With the free growing varieties, such as Shawyer, Ophelia, etc., it will be necessary to go over the plants twice a week to see that they are properly disbudded and that there are no side shoots left to take the sap from the main buds. Once in a while on an extra strong bottom break the crown bud will be deformed so that it is best to take that off and allow the two side shoots to come on. These will turn out good as a rule and will cut extra and fancy. While disbudding it is well to see that all blind wood is attended to, for if the top leaf is taken off down to a good eye while these blind shoots are still young they will in most cases start in and grow right on into a good bud. When cutting buds like this be sure that they are cut away down to the first two good eyes and not above the joint where the top leaf was taken off the blind shoot. The shorter the distance of

hard wood between the buds and roots the better. While disbudding it will be well to straighten out any shoots that may have been knocked crooked while syringing, also bend away all buds that may be touching the glass. This work will not take very long to do, as it is very simple and should be done in little time.

### Watering Young Stock

With the cloudy days great care will have to be taken not to get the young stock too wet. This applies especially to cuttings just potted, for these take up very little water and if they are kept too wet the roots are likely to decay. Where a whole house is devoted to young stock it will be best to use steam and open the vents, thus airing the house freely. Steam with the ventilators closed would make the air too warm and moist and this would be apt to make the young cuttings damp off. If it is necessary to water the young plants on a cloudy day do it as early in the morning as possible, so that they will have all the chance to dry off before night. Then make sure that plenty of lime is blown into the air over the walks at night, thus taking out a great deal of moisture. Sometimes when the dark weather continues for two weeks or more and the young stock remains wet all the time it will be well to water the plants even though they are wet. In doing this make sure to water heavy, as the idea is to drive out all water in the pots that may have become stale, and give the young plants a chance to get some fresh water. If possible a little lime water can be applied, which will sweeten up the soil a good deal.

### Scraping Around Young Plants

A good way to dry out a batch of young plants is to go over them and scrape off all the green scum that may have formed over the top of the soil. In doing this see that only the very surface is taken, and that the soil is left rough afterward. Also set all the smaller plants to the south of the bench and all the larger and stronger plants to the rear or north side if the houses run east and west. Make sure that all the pots are set firmly when they are moved over, so that there will be no air under them. If they are set loose they will dry out very unevenly and make a good deal of trouble for the man who has to water them. Also see that they are all set level so that they will hold the proper amount of water. If they are not level most of the water applied will run off and then there will be some plants in the lot that will always be dry, and soon they will become stunted and it will be a hard job to start them going again.

## CLUBS AND SOCIETIES

### CONNECTICUT HORTICULTURAL SOCIETY.

The annual meeting of the Connecticut Horticultural Society, held at Hartford on Monday evening, January 28. It being a carnation night, several very fine plants were exhibited of exceptionally fine specimens. John F. Huss, and Alfred Cebelius, staged all the leading varieties of carnations also displayed Buddleia asiatica of wonderful beauty. George W. Fraser exhibited a vase of Red Wing carnation for W. A. Dawson. Theodore Staudt, of Rockville, exhibited carnation sports and Sir Watkin daffodils. The following awards were made: John F. Huss, cultural certificate; Alfred Cebelius, first-class certificate on carnations, and a cultural certificate on Buddleia asiatica; Theodore Staudt, first-class certificate on sport carnations and a certificate of merit on narcissus; W. A. Dawson, first-class certificate and noted in the minutes as worthy of special mention.

After the announcement of the awards, President Hollister read an article from Horticulture (vol. 23, No. 2, Jan. 8, 1916) headed, "Jackson T. Dawson, His Work and His Workshop" which describes briefly the splendid work of this grand old gentleman, and Mr. Huss gave a reminiscent talk of his acquaintance with Mr. Dawson. The chairman also read a clipping relating the erection of a marble pillar to mark the spot where the original McIntosh Red Apple stood in Canada, this monument being erected by Canadian horticulturists. He also appointed a committee to meet with a committee from the Pomological Society to the end that a similar monument be erected on the spot where the original Greening apple tree stood near Sterling. The Greening is more commonly known than the McIntosh and perhaps more widely used. The meeting was well attended and thoroughly enjoyed. The next meeting will be held February 11.

ALFRED DIXON, Sec.

### HORTICULTURAL SOCIETY OF NEW YORK.

An exhibition of this society will be held on Wednesday, February 16, 1916, at the American Museum of Natural History, Central Park West and 77th street, New York City. Premiums are offered for cut orchid blooms, roses, sweet peas, schizanthus, snapdragons, freesias and narcissus. Special prizes may also be awarded for exhibits not provided for in the schedule. All are invited to bring any unusual plant or flower, or plants or flowers showing unusual excellence in cultivation.

Schedules are now ready for distribution, and will be sent on application to the secretary, George V. Nash, New

York Botanical Garden, Bronx Park, New York City.

A meeting of the society will be held at 4 P. M., at which a lecture will be delivered by Arthur Herrington on Iris Gardens, illustrated by colored slides.

GEORGE V. NASH, Sec.

### ST. LOUIS FLORIST CLUB.

The St. Louis Florist Club will hold its regular monthly meeting on Thursday, February 10th, and the trustees have a surprise in store for the members, the nature of which will be withheld until the day of the meeting. A large attendance is expected.

## Meetings Next Week

### Monday, Feb. 7.

Horticultural Society of New York, 100 West 42nd St., N. Y. City.  
Horticultural Society of New York, Fire Hall, Elberon, N. J.  
Horticultural Society of New York, 100 West 42nd St., N. Y. City.  
Horticultural Society of New York, 100 West 42nd St., N. Y. City.  
Horticultural Society of New York, 100 West 42nd St., N. Y. City.  
Horticultural Society of New York, 100 West 42nd St., N. Y. City.

### Tuesday, Feb. 8.

Horticultural Society of New York, 100 West 42nd St., N. Y. City.  
Horticultural Society of New York, 100 West 42nd St., N. Y. City.  
Horticultural Society of New York, 100 West 42nd St., N. Y. City.

### Wednesday, Feb. 9.

Horticultural Society of New York, 100 West 42nd St., N. Y. City.  
Horticultural Society of New York, 100 West 42nd St., N. Y. City.  
Horticultural Society of New York, 100 West 42nd St., N. Y. City.  
Horticultural Society of New York, 100 West 42nd St., N. Y. City.  
Horticultural Society of New York, 100 West 42nd St., N. Y. City.

### Friday, Feb. 11.

Horticultural Society of New York, 100 West 42nd St., N. Y. City.  
Horticultural Society of New York, 100 West 42nd St., N. Y. City.  
Horticultural Society of New York, 100 West 42nd St., N. Y. City.

### COMING EXHIBITIONS.

February 16, Horticultural Society of New York, American Museum of Natural History.

March 7-8, Moline, Annual meeting and exhibition of the Illinois State Florists' Association.

March 17, 18, 19, Boston, Spring Exhibition Massachusetts Horticultural Society, Horticultural Hall.

March 25-April 2, Philadelphia, Fourth National Flower Show of the Society of American Florists, Convention Hall, Broad Street and Arch Street.

April 5-12, New York, International Flower Show of the Horticultural Society of New York and the New York Florists' Club, Grand Central Palace, Forty Sixth Street and Lexington Avenue, New York.

May 10, 14, Boston, May Show Massachusetts Horticultural Society, Horticultural Hall.

### AMERICAN SWEET PEA SOCIETY

Preliminary Schedule, Class G, for Exhibition to be held at Bar Harbor, Me., July, 1916.

#### Bar Harbor Horticultural Society Special Prizes.

- G. 1.—For the best collection of 10 vases, 20 sprays of any 10 distinct varieties, 1st, \$8, 2d, \$6, 3d, \$4.  
G. 2.—Any 10 distinct varieties, rose or cut, 1st, \$8, 2d, \$6, 3d, \$4.  
G. 3.—Any 10 distinct varieties, purple or blue, 1st, \$8, 2d, \$6, 3d, \$4.  
G. 4.—Any 10 distinct varieties, salmon, 1st, \$8, 2d, \$6, 3d, \$4.  
G. 5.—Display of Sweet Peas, arranged in a vase, well on a table space of 5 ft. by 10 ft. 1st, \$10, 2d, \$8, 3d, \$6, 4th, \$4. Only the most artistic and best of the exhibit are to be considered in judging. Exhibitors may not enter than the American Sweet Pea Society award in this class 1st prize, silver cup; 2d, \$15; 3d, \$10.

#### Spencer Varieties.

- G. 6.—For 21 vases, 25 sprays. Any white variety, crimson or scarlet, rose or carmine, light pink, deep pink, blue, mauve, cream or yellow, salmon or orange, lavender, maroon or purple, plectee-edged, striped or flaked red or rose, striped or flaked blue or purple, flaked or other than plectee-edged, any other color distinct from the foregoing \$5, \$3, and \$2, respectively, 1st, 2d, and 3d in each class.

Note: Other special prizes will be awarded in this section, arrangement for which will be published later.

#### For Amateurs Only.

- G. 22 to G. 26, 5 classes. Vases 20 sprays.—Any white variety, pink, lavender, salmon or orange, crimson or scarlet, cream or cream-yellow, plectee-edged, any other color distinct from the foregoing, \$3 and \$2, 1st and 2nd in each class.  
G. 30.—For the best collection of 6 vases, 6 varieties, 20 sprays to a vase. 1st prize, silver cup; 2nd prize, arranged later.

#### For Private Gardeners Only.

- G. 31.—Spencer Sweet Peas, 6 distinct varieties, 1 vase of 20 sprays to each variety: 1st, \$12, 2nd, \$8.  
Limited to Children under 18 Years of Age.  
G. 32.—For the best collection of Sweet Peas from a school garden: 1st prize, \$4; 2nd, \$3; 3rd, \$2; 4th, \$1.

#### For Private Gardeners and Amateurs.

- G. 33.—Decoration for table of eight covers; glasses, cutlery and linen to be used supplied by the exhibitor: 1st prize, silver cup and \$25; 2nd, \$15; 3rd, \$10. Exhibitors will be allowed to use Sweet Pea foliage, asparagus, amaranth, gypsophila, or all; ribbons also allowed.  
G. 34.—Display of 12 vases, 25 sprays to a vase, 12 distinct varieties; no foliage allowed: 1st prize, \$15; 2nd, \$10.  
G. 35.—Mt. Desert Nurseries offer a gold watch for best collection of Sweet Peas from New York, Long Island, New Jersey and Pennsylvania. John H. Stafford will pay entrance and expenses to Bar Harbor and return to the winner in the above class.

G. 36.—New York Florists' Club prize, \$25 cash for best exhibit made at the exhibition.

G. 37.—T. J. Gray & Co., \$25 in cash, particularly to be published later.

Other prizes are solicited from the trade and others, notice of which will be published in the trade press from time to time.

H. A. BUNYARD, Sec'y.

At the annual meeting of the New York State Nurserymen's Association at the Chamber of Commerce, Rochester, N. Y., on January 27, the following officers were elected for the year: President, Edwin S. Osborne; vice-president, Maxwell Sweet of Dansville; secretary, William L. Glenn; treasurer, Horace Hooker.

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We are in a position to handle consignments of any size, large or small. Prompt remittances made immediately goods are sold.

## AMERICAN CARNATION SOCIETY

Final returns from the 25th annual meeting of the American Carnation Society at St. Louis, on which we made a partial report last week, show a surprising strength in the quantity and quality of the eastern representation as compared with the western and local. The eastern growers predominated in the winning of prizes and where the prizes did go to western growers the varieties with which they won were largely of eastern origin. When it is considered that the successful eastern exhibitors had to carry their flowers a distance from 1000 to 1300 miles their achievements are all the more notable.

The decorated dinner tables by St. Louis florists were a most commendable feature and the public, being admitted at specified hours, thronged the hall where these displays were made. The exhibitors were Windler, Mullanphy, Ayres, Vandervoort, Grimm & Gorley, Boerm and Young. Among the interesting exhibits outside of the regular schedule were the following: Rose Mme. P. Euler (Prima Donna) from Guttman & Raynor, New York; Roses Baby Doll and Tipperary from E. G. Hill Co., Richmond, Ind.; Begonias from J. A. Peterson & Sons, Cincinnati; Primula malacoides rosea from F. H. Lemon, Richmond, Ind. and specimen rare plants and orchids from W. A. Manda, South Orange, N. J.

### THE AWARDS.

Following is the complete list of awards:

**SECTION A.**  
Open to all varieties, seedling  
Vase of 50 blooms in each class.  
White.—1, Cottage Gardens Co., N. Y., with Matchless; 2, E. G. Hill Co., Richmond, Ind., with Matchless.  
Light Pink.—1, Cottage Gardens Co., N. Y., with Matchless; 2, E. G. Hill Co., Richmond, Ind., with Matchless.  
Medium Pink.—1, Cottage Gardens Co., N. Y., with Mrs. C. W. Ward; 2, E. G. Hill Co., Richmond, Ind., with Mrs. C. W. Ward.  
Dark Pink.—1, F. Dorner & Sons Co., Alton, Ill., with Rose; 2, E. G. Hill Co., Richmond, Ind., with Rose.  
Red or Scarlet.—1, M. G. G. Co., N. Y., with Scarlet; 2, E. G. Hill Co., Richmond, Ind., with Scarlet.  
Crimson.—1, E. G. Hill Co., Richmond, Ind., with Champion; 2, E. G. Hill Co., Richmond, Ind., with Champion.  
With Peach.—1, E. G. Hill Co., Richmond, Ind., with Peach; 2, E. G. Hill Co., Richmond, Ind., with Peach.

Yellow.—1, F. Dorner & Sons Co., Alton, Ill., with Old Gold.

### SECTION B.

Varieties disseminated prior to July, 1915.  
Vase of 50 blooms in each class.  
White Enchantress.—1, Alton Floral Co., Alton, Ill.; 2, Widmer Floral Co., Highland, Ill.  
White Wonder.—1, E. G. Hill Co.; 2, Ernest Saunders, Lewiston, Me.  
Matchless.—1, Strout's, Biddeford, Me.; 2, E. G. Hill Co.  
Any other White.—1, Strout's, with White Winsor.  
Enchantress Supreme.—1, Halifax Garden Co., Halifax, Mass.; 2, Ernest Saunders.  
Pink Delight.—1, S. J. Goddard, Framingham, Mass.; 2, Strout's.  
Any other Flesh Pink.—1, Alton Floral Co., with Enchantress; 2, Widmer Floral Co., with same variety.  
Gloriosa.—1, S. J. Goddard; 2, J. F. Ammann Co.  
Any other Light Pink.—2, J. F. Ammann Co., with Rose Pink Enchantress.  
Mrs. C. W. Ward.—1, Halifax Garden Co.; 2, Strout's.  
Philadelphia Pink.—1, J. F. Ammann.  
Any other Medium Pink.—1, Alton Floral Co.  
Rosette.—1, S. J. Goddard.  
Beacon.—1, S. J. Goddard; 2, Ernest Saunders.  
Champion.—2, Strout's.  
Peachblow.—1, Strout's; 2, Ernest Saunders.  
Benora.—1, Halifax Gardens Co.; 2, Strout's.  
Yellow Prince.—1, S. J. Goddard; 2, Baur & Stenkaup, Indianapolis, Ind.

### SECTION C.

Varieties Disseminated 1911-1915. Vases of 50 Blooms.  
Pink Sensation.—1, S. J. Goddard; 2, E. G. Hill Co.  
Good Cheer.—1, S. J. Goddard.  
Mrs. C. E. Akhurst.—1, Strout's; 2, J. F. Ammann Co.

### SECTION D.

American Carnation Society's Medals.  
Vases of 100 Blooms.  
Gold Medal, Cottage Gardens Co., with Crystal White.  
Silver Medal, Rose & W. Co., Chicago, with Belle Washburn.  
S. A. T. Medal.  
For Exhibiting the Largest Variety of American Carnations in the Exhibition.  
Silver Medal, Rose & W. Co., Chicago, with Belle Washburn.  
Bronze Medal, Charles Weber, Lynbrook, N. Y., with Laura Weber.

Cottage Gardens Co., with Crystal White.  
Mt. Greenwood Cemetery Association, No. 112 B.  
F. Dorner & Sons Co., No. 125-11 and No. 148-10.  
J. D. Thompson Carnation Co., Joliet, Ill., Superb.  
S. J. Goddard, No. 16-12.

### CERTIFICATE OF MERIT.

S. J. Goddard, 88 points, with No. 16-12.  
BUSHINGS SILVER CUP SWEEPSTAKES.  
Cottage Gardens Co., with Cottage Maid.

### AUTO RIDE AND BANQUET.

On the afternoon of the second day the local committee took the visitors for an automobile trip through the city and wound up at Shaw's Garden when W. W. Ohlwieler, the general manager, took them in hand for a trip through the big show houses which was of great interest to the party. In the evening at 7.30 P. M. the banquet took place and it was a splendid affair in every respect. Great credit is due to the committee for the way in which it was carried out. A fine menu was served during which an orchestra played selections. Several lady singers took part, also several popular selections were played in which all present sang the songs. The tables were all tastefully decorated with carnations by David Scott Geddis. J. F. Ammann, the toastmaster, called on the following members for talks: George Asmus of Chicago, chairman of the National Flower Show; Vice President-elect W. J. Vesey, Jr., of Fort Wayne, Ind.; Joseph H. Hill, Richmond, president of the society, and Wm. Nicholson of Framingham, Mass. With these and the singing of "With Long Sigh" ended the two days of one of the most successful meetings and exhibitions the society has yet held.

## FORCING GLADIOLUS

All First Size Bulbs

	100	1000
American, pink	\$1.75	\$16.00
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\$2 per 100; \$4.38 per case of 2.50;  
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## RED FLOWERING

## GREEN FOLIAGE

## RED GOLD-EDGE VARIETIES

	Per 100	Case of 250	1000
A. Bouvier, 5 ft. dark crimson.....	\$1.65	\$3.75	\$15.00
C. Henderson, 4 ft. bright crimson.....	1.65	3.75	15.00
Cherokee, 4 ft. deep rich maroon.....	1.55	3.90	12.00
Duke of Marlboro, 1½ ft. glowing crimson.....	1.50	3.50	11.00
Mephisto, 3½ ft. the darkest crimson.....	1.35	3.00	12.00
Pennsylvania, 5½ ft. deep orange scarlet.....	1.50	3.50	11.00

	Per 100	Case of 250	1000
General Merkel, 4 ft. the best scarlet gold edge sort.....	\$1.65	\$3.75	\$15.00
Gladiflora, 3½ ft. crimson gold edge.....	2.75	6.25	25.00
Jean Tissot, 5 ft. vermillion orange edge.....	2.75	6.25	25.00
Mad. Crozy, 5½ ft. vermillion gold edge.....	2.25	5.00	20.00
Queen Charlotte, 3½ ft. scarlet gold edge.....	2.75	6.25	25.00
Souvl. de A. Crozy, 4 ft. crimson gold edge.....	2.25	5.00	20.00

## YELLOW CANNAS

	Per 100	Case of 250	1000
Florence Vaughan, 5 ft. yellow crimson spots.....	\$1.65	\$3.75	\$15.00
Kanzleiter, 3½ ft. pure light yellow.....	1.50	3.50	14.00
R. Wallace, 4½ ft. canary yellow, free.....	1.50	3.50	14.00
Austria, 5 ft. pure yellow.....	1.50	3.50	14.00

## PINK FLOWERING CANNAS

	Per 100	Case of 250	1000
Hungaria, 3½ ft. salmon pink.....	\$3.75	\$8.75	\$35.00
Mdlle. Berat, 4½ ft. rose pink.....	2.00	4.38	17.50
Louise, 5 ft. soft rose pink.....	2.00	4.38	17.50
Mrs. A. F. Conard, 4 ft. salmon.....	3.75	8.75	35.00

All the above in strong fresh dormant roots, 2 and 3 eyes each. For fuller descriptions and more complete list of Cannas and all other Spring Bulbs, send for new wholesale catalogue now ready.

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## SEDUM SPECTABILE.

Of the approximately 125 species of sedums, *Sedum spectabile* is the best of the tall growing class. Attaining a height of from 1½ to 2 feet, its remarkable hardiness and especially the size and resistance of its carmine pink flower-heads are no doubt the principal reasons for its wide distribution and general popularity in American gardens. Though of little or no value as a cut flower, its merits, particularly for outdoor mass effects, cannot be disputed. In open sunny situations and light loamy garden soil, plantations of *Sedum spectabile* never fail to make a good showing. It is the perennial for the amateur who expects his plants to endure prolonged drought without injury, violent rainstorms without breaking and survive frigid winters with little or no protection. A few large clumps placed here and there on the mixed border perceptibly enliven the floral late summer aspect. Some extra strong specimens planted in large pots or in tubs while in flower may be occasionally employed for porch decoration. I remember using plants for filling a number of vases to be placed at the corners of a balustrade serving as the enclosure of a flat roof of a mansion. In this case it was impossible to water the vases regularly, nevertheless my sedums made a satisfactory showing. The best opportunities for placing *Sedum spectabile* to full advantage, however, are offered in the rock-garden. Here it is simply indispensable. Its stiff habit of growth goes wonderfully well with the rigid lines of rocks and boulders. During August and early September, while in flower

plantations introduce a conspicuously strong and needed note of color. The accompanying illustration, a reproduction of a photo taken in one of the rockgardens which your correspondent built, gives a clear idea of the effect which may be gained anywhere under similar conditions and arrangements.

What has been said of *Sedum spectabile* can be fully adopted as conclusive for its new form "Brilliant," distinguished by the bright amaranth red color of its flat topped large cymes. "Brilliant" is a very desirable acquisition sure to become as popular as the original *spectabile*.

*Richard Rothe*  
Glenside, Pa.

## MOULD IN STORED BOXWOODS.

### Editor HORTICULTURE:

We are experiencing difficulty with mould in the storage of our boxwoods this winter. The stock in question is planted in tubs and the disease attacks the roots working towards the outside of the tree, can you instruct us as to the correct method of handling this class of nursery stock in winter storage? Any information on this matter would be very much appreciated.

Yours very truly,

H.

The trouble you have experienced in storing boxwoods is a very common one. The remedy is to have abundant ventilation at both top and bottom of the storage sheds. Air must be given at the apex of the building as well as on the sides, and if the place is large, also at each end. Stagnant atmosphere is the cause of the mould conditions. —Ed.

## NEW CORPORATION.

St. Louis, Mo.—Sanders Nursery Co., capital stock, \$10,000. Incorporators, Susan A., Carew C., Edgar M. and Oliver K. Sanders.

The preliminary schedule for the Sweet Pea Show to be held in San Francisco next June has been issued. Copies may be obtained from Frank G. Cuthbertson, Sec'y, 737 Front St., San Francisco, Cal.

## FOR REAL PLUMP

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PHILADELPHIA, PA.

## SEED TRADE

### AMERICAN SEED TRADE ASSOCIATION

Officers—President, J. M. Lupton, Mattituck, L. I., N. Y.; First Vice-President, Kirby B. White, Detroit, Mich.; Second Vice-President, E. W. Bolgiano, Washington, D. C.; Secretary-Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O.; Cincinnati, O., next meeting place.

### Contract Awards.

The Department of Agriculture has just announced the names of the successful bidders to whom contracts have been awarded for the supply of the "free seeds" for Congressional distribution during the coming season. These firms and the class of seeds which they will supply under the contracts are as follows:

#### AMERICAN FIRMS

Archer & Musser Seed Co., Rocky Ford, Colo.: Surplus, Peas.  
W. W. Bolgiano & Co., Chicago, Ill.: Surplus, Peas.

John Bolger & Sons Co., Los Angeles, Calif.: Surplus, Beans, Calendula, Cosmos, Contract, Balsam, Cucumber, Candy Tuft, Contract, Cucumber, Candy Tuft, Contract, Sweet Alyssum, Candy Tuft, Contract, Nasturtium Dwarf, Nasturtium Tall, Petunia, Poppy Double, Portulaca Zinnia Dwarf.

Brashear Seed Growers Co., San Jose, Calif.: Surplus, Lettuce.

F. W. Bolgiano & Co., Washington, D. C.: Surplus, Radish.

D. V. Burrell, Rocky Ford, Colo.: Contract, Cucumber, Muskmelon, Radish, Watermelon, Antirrhinum, Balsam, Calendula, Cosmos, Delphinium, Mignonette, Poppy Double, Zinnia Dwarf, Zinnia Tall.

Colorado Seed Growers Assn., San Jose, Calif.: Surplus, Lettuce, Radish, Contract, Beet, Cucumber, Radish.

Chesmore-Eastlake Mer. Co., St. Joseph, Mo.: Surplus, Radish.

E. B. Clark Seed Co., Milford, Conn.: Surplus, Beans.

M. H. Coon, Rocky Ford, Colo.: Contract, Cucumber.

C. Herbert Coy Seed Co., Valley, Nebr.: Surplus, Sweet Corn; Contract, Squash.

Ebbert Seed Co., Rocky Ford, Colo.: Contract, Cucumber, Muskmelon.

Irvine Bros., Rocky Ford, Colo.: Contract, Cucumber.

R. H. James, Rocky Ford, Colo.: Contract, Muskmelon.

Victor Johansen Seed Co., Los Angeles, Calif.: Surplus, Sweet Alyssum; Contract, Dianthus Single, Eschscholtzia, Nasturtium Dwarf, Nasturtium Tall, Petunia, Sweet Alyssum.

Chas. Johnson, Berkeley, Calif.: Surplus, Beet.

Kimberlin Seed Co., Santa Clara, Calif.: Surplus, Lettuce, Radish.

Lake Shore Seed Co., Dunkirk, N. Y.: Surplus, Lettuce, Radish.

Lenawee Seed Co., Blissfield, Mich.: Surplus, Tomato.

Wm. McGary, Rolla, Kansas: Contract, Muskmelon, Watermelon.

E. H. Morrison Estate, Fairfield, Wash.: Contract, Radish, Candytuft, Dianthus Single, Poppy Double, Poppy Single, Zinnia Tall.

G. W. Oliver, Rocky Ford, Colo.: Contract, Cucumber, Muskmelon.

Geo. R. Pedrick & Son, Pedricktown, N. J.: Surplus, Tomato.

L. C. Pharr, Catherine, Ala.: Contract, Okra.

King Pharr, Catherine, Ala.: Contract, Okra.

Pieters-Wheeler Seed Co., Gilroy, Calif.: Surplus, Cabbage, Lettuce, Radish, Nasturtium Tall; Contract, Carrot, Lettuce, Radish.

S. H. Pollock, Rocky Ford, Colo.: Contract, Zinnia Tall.

P. J. Roifel, Rocky Ford, Colo.: Contract, Cucumber, Muskmelon.

W. H. Robinson, Cairo, Ga.: Surplus, Collard.

Rogers Bros., Alpena, Mich.: Surplus, Peas.

Waldo Rohmert, Gilroy, Calif.: Surplus, Lettuce, Radish; Contract, Carrot, Endive, Lettuce, Radish, Parsley.

Routzahn's Co., Arroyo Grande, Calif.: Surplus, Lettuce, Radish; Contract, Lettuce, Radish, Antirrhinum, Cucumber.

## SEEDS--ONION SETS

Appreciation of a high order of Merit in Seeds and Seed Service leads naturally to purchasing from

### LEONARD SEED COMPANY

226-230 W. KINZIE ST., - - - CHICAGO



## SEEDS for the FLORIST

### STOCKS Boston Flower Market

Unsurpassed for the largest percentage of double flowers. We have crimson, canary yellow, dark blue, deep blood red, apple blossom, bright rose, light blue, scarlet.

Trade pkt. \$1.00; Pure White, trade pkt., \$1.50.

Sweet Peas, Asters, Cyclamen, Petunia, Primula.

Lily of the Valley from our own Cold Storage Plant.

Our Trade List Mailed on Application.

**FOTTLER, FISKE, RAWSON CO., THE SEED STORE BOSTON**  
Faneuil Hall Square

Candytuft, Calendula, Chrysanthemum, Coreopsis, Cosmos, Dianthus Double, Dianthus Single, Delphinium, Mignonette, Eschscholtzia, Nasturtium Dwarf, Nasturtium Tall, Petunia, Poppy Double, Poppy Single, Portulaca, Sweet Alyssum, Zinnia Dwarf, Zinnia Tall.

Mrs. Della Shaulis, Rocky Ford, Colo.: Contract, Muskmelon.

J. M. Shaulis, Rocky Ford, Colo.: Contract, Cucumber, Muskmelon.

Sloux City Seed & Nursery Co., Sloux City, Iowa: Surplus, Peas; Contract, Corn.

Geo. W. Smith, Rolla, Kansas: Contract, Squash, Watermelon.

Upper Columbia Co., Marble, Wash.: Surplus, Turnip, Poppy Single; Contract, Candytuft, Delphinium, Poppy Double, Poppy Single, Zinnia Tall.

H. Van Buskirk Seed Co., Rocky Ford, Colo.: Contract, Cucumber, Muskmelon.

Hartwell Wagoner, Rocky Ford, Colo.: Contract, Cucumber, Muskmelon.

S. D. Woodruff & Sons, Orange, Conn.: Surplus, Beet, Kale; Contract, Corn.

#### FOREIGN FIRMS

Kelway & Son: Surplus, Beet, Antirrhinum, Morning Glory Dwarf, Morning Glory Tall, Nasturtium Tall.

Vilmorin-Andrieux & Co.: Surplus, Calendula, Sweet Alyssum, Virginian Stocks.

Note: No growing contracts placed with foreign firms.

### One Week's Imports.

Imports at the port of New York of horticultural material for the week ending Jan. 21, were recorded as follows:

Bulbs, etc.—France, \$403; Netherlands, \$6,151; England, \$62; Hongkong, \$147.

Other plants, etc.—France, \$69; Netherlands, \$1162; England, \$2,555; France, \$5,573.

Red clover seed—France, \$51,340; Italy, \$28,950.

Other clover seed France, \$2,874; Canada, \$1,852.

All other grass seed—France, \$7,238; Scotland, \$7,246; Ireland, \$3,334.

All other seed—France, \$12,793; Germany, \$440; Italy, \$982; Netherlands, \$8,885; England, \$11,969; Hongkong, \$200.

Sulphate of potash—Chile, \$5,950.

Carbonate of potash—Germany \$27.

Other substitute fertilizers—Canada, \$649; Uruguay, \$1,290.

#### Notes.

Joseph E. Roelker of August Roelker & Sons, New York, is out on his annual western trip.

Lynn, Mass.—Jas. J. H. Gregory &

Son, seedsmen, of Marblehead, have opened a branch store in this city.

According to present advices, ocean freight charges on lily bulbs will be advanced from \$4.00 per 1000 to \$7.00 for next year.

Cold storage giganteum lilies are now very scarce. Parties are still advertising them, however, who we have been informed haven't a bulb in their possession.

Birmingham, Ala.—The McVay Seed & Floral Co. has been purchased by Mrs. S. S. Mobley, R. V. and L. E. Harris, who will continue the business under the same name.

Bert E. Brotherton, formerly a partner and general manager of the Peninsular Seed Company, of Port Huron, Mich., severed on the 1st of January his connection with that establishment and will hereafter look after the contracting, inspection, harvesting, and preparation of crops of peas, beans, corn, and some other crops for the D. Landreth Seed Company, of Bristol, Penn. Mr. Brotherton has had many years' experience contracting for crops, principally in Michigan, Wisconsin, and adjoining States and in the valleys of the Rocky Mountains. Mr. Brotherton will continue his past residence at Port Huron, Mich.

A decision of interest to importers of bulbs has been handed down by the United States Court of Customs appeals in favor of Maltus & Ware, of New York. The importation in question was one of tulip bulbs assessed by the collector of customs with duty at the rate of \$1 per 1000 under the second clause of paragraph 210 which reads, "tulips, narcissus, begonia, and Clematis bulbs, \$1 per 1000." The Board of General Appraisers affirmed this assessment, overruling the contentions of the importers that duty should have been assessed under the so-called catch-all provisions of the same paragraph which provides that "all other bulbs, roots, root stocks, corms, and tubers, which are cultivated for their flowers or foliage, 50 cents per 1000."

The Court of Customs Appeals now reverses this decision and has decided in favor of Maltus & Ware and found that the tulip bulbs in question were properly dutiable at the rate of 50 cents per 1000.

## MICHELL'S NEW CROP FLOWER SEEDS

### ASPARAGUS PLUMOSUS NANUS

NORTHERN GREENHOUSE GROWN  
1,000 Seed... \$3.50 10,000 Seed... \$30.00  
5,000 " ... 15.50 25,000 " ... 72.50

### PETUNIA

	Tr. Pkt.	Oz.
Michell's Monstrosus.....	\$1.00	
California Giants.....	.50	
Grandiflora Fringed.....	.50	
Dwarf Inimitable.....	.50	1.25

### SALVIA

	Tr. Pkt.	Oz.
Scarlet Glow.....	\$0.50	\$3.00
Bonfire .....	.40	2.25
Zurich .....	.50	3.25
King of Carpets.....	.50	2.50
Splendens .....	.25	1.25

Also all other Seasonable Seeds, Bulbs  
and Supplies for the Florist.

SEND FOR OUR NEW WHOLE-  
SALE CATALOG IF YOU HAVEN'T  
A COPY.

**HENRY F. MICHELL CO.**  
518 Market St., Philadelphia, Pa.

## Spring and Fall Bulbs

### HOGEWONING & SONS

RYNSBURG, HOLLAND

32 BROADWAY NEW YORK  
Send for Wholesale Quotations

### LILIUM GIGANTEUM COLD STORAGE

Extra Selected Stock. Gladiolus for forcing. Nanus, Colvillei or large flowering type. Greenhouse Fertilizers. Ask for 1916 Seed Catalogue.

Joseph Breck & Sons Corp., Seedsmen  
47-54 No. Market St., BOSTON, MASS.

### J. BOLGIANO & SON

WHOLESALE FIELD AND GARDEN SEEDS  
Established 1818

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### "SEEDS WITH A LINEAGE"

Seeds with a generation of finest flowers and vegetables back of them—carefully selected—really tested.

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### BURNETT BROTHERS

Importers and Growers of

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Growers For Wholesale Dealers  
SAN JOSE CALIFORNIA

## PLANT NOW

### ANTIRRHINUM

GOLDEN QUEEN. Yellow. 1/2 oz., 10c.

QUEEN OF THE NORTH. White. 1/2 oz., 35c.

ROSY MORN. Bright Rose. 1/2 oz., 50c.

### Carnation Marguerite

FARQUHAR'S NEW GIANT MIXED.  
1-16 oz., \$1.00; 1/2 oz., \$1.75

### LOBELIA

FARQUHAR'S DARK BLUE. Dwarf.  
1/2 oz., 35c; 1/4 oz., 60c.

### PETUNIA

FARQUHAR'S RUFFLED GIANTS  
MIXED, 1-16 oz., \$2.25.

### VINCAS

BRIGHT ROSE, WHITE WITH ROSE  
EYE, 1/4 oz., 30c; 1 oz., \$1.00

PURE WHITE, OR MIXED, 1/4 oz.,  
30c; 1 oz., \$1.00.

### VERBENAS

FARQUHAR'S GIANT BLUE, PINK,  
SCARLET, WHITE, STRIPED.  
1/8 oz., 25c; 1/4 oz., 40c; 1 oz., \$1.25.

FARQUHAR'S MAMMOTH HYBRIDS  
MIXED, 1/8 oz., 25c; 1/4 oz., 40c;  
1 oz., \$1.25.

## R. & J. FARQUHAR & CO.

BOSTON, MASS.

### SWEET PEA SEED

Winter or Summer Spencer, only the best  
commercial varieties.

### ANT. C. ZVOLANEK

SWEET PEA RANCH

LOMPOC, CALIF.

### GARDEN SEED

BET, CARROT, PARSNIP, RADISH and  
GARDEN PEA SEED in various items of the short crop of this past season,  
as well as a full line of Garden Seeds, will  
be quoted you upon application to

S. D. WOODRUFF & SONS, 82 Dey St., NEW YORK  
and ORANGE, CONN.

### D. D. P. ROY

SEEDS—BULBS—PLANTS

108 N. Michigan Ave. CHICAGO, ILL.

## SELECTED FLOWER SEEDS

### ASTERS

Queen of the Market	Pkt.	Oz.
White	10	1.00
Blue	10	1.00
Rose	10	1.00
Light Blue	10	1.00
Dark Blue	10	1.00
Mixed	10	1.00

### S. & W. Co.'s Late Branching

White	Pkt.	Oz.
White	10	1.00
Blue	10	1.00
Purple	10	1.00
Orange	10	1.00
Scarlet Pink	10	1.00
Rose Pink	10	1.00
Mixed	10	1.00

### ASPARAGUS, Plumosus Nanus

#### Finest Greenhouse Grown

100 Seeds	Pkt.	Oz.
100 Seeds	10	1.00
500 Seeds	10	1.00
1000 Seeds	10	1.00
2500 Seeds	10	1.00
5000 Seeds	10	1.00

### LOBELIA

Emperor William	Pkt.	Oz.
Emperor William	10	1.00
Crystal Palace	10	1.00
Spectosa, Trailing Blue	10	1.00

### SALVIA

Bonfire	Pkt.	1/4-oz.	Oz.
Bonfire	10	10	1.00
Splendens	10	10	1.00
Zurich	10	1.25	1.50

### VERBENA

Mammoth Flowering	Pkt.	Oz.
Pink	10	1.00
Defiance (Scarlet)	10	1.50
Blue	10	1.50
White	10	1.50
Mixed	10	1.25

Wholesale Seed Catalog Free on Request

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30-32 Barclay St. - NEW YORK

## Lily of the Valley Pips

### BERLIN and HAMBURG

#### COLD STORAGE

In cases of 3000 pips.....	\$40.00 each
" " " 1000 " .....	14.00 "
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Seedsmen requiring the very best  
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## Garden Seeds

(VEGETABLE AND FLOWER), especially  
Kelway's Celebrated English Strains  
can get them at lowest independent whole  
sale rates by sending their orders direct to

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Wholesale Seed Growers

LANGPORT, SOMERSET, ENGLAND  
Special quotations on application

**W. E. MARSHALL & CO.**  
SEEDS, PLANTS AND BULBS  
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Cable Address, ALEXCONNELL.

*Danker*

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Florists' Telegraph Delivery  
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Orders for New York. Write or Phone to

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Best Florists in the States as References.  
EUROPEAN ORDERS EXECUTED.  
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**DAVID CLARKE'S SONS**

Deliver orders from any part of the country to

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Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address: Dardsflor.

**YOUNG & NUGENT**42 West 28 Street  
New York

Members Florists' Telegraph Delivery

**A. T. BUNYARD**

NEW YORK

413 Madison Avenue at 48th Street.

WE GUARANTEE SATISFACTION  
MEMBER F. T. D. A.

**Of Interest to Retail Florists**

The Boston Retail Florists' Association held its annual convention of officers at the Hotel Bellevue, Tuesday evening, February 1. Henry R. Comley was chosen president; Samuel Wax, vice-president; B. H. Green, secretary, and Julius Zimm, treasurer.

We extend sympathy to Frank J. Valentine of 105 East 110th street, New York, who is in sorrow over the death of his little son about 7 months old, 25 days. Mr. Valentine has sent us a photograph of the little fellow laid out among beautiful floral surroundings.

Hornell, N. Y.—Charles L. B. Ordway, who for over ten years has conducted a florist shop in this city, has closed out his business and will make his future home in Olean, where he will conduct a similar store. Mr. Ordway is secretary of the Democratic city committee.

Albany, N. Y.—In the destruction by fire of a hall in which Harry Eyres had storage quarters for palms and other material used in decorative work the plants were all ruined and Mr. Eyres' loss is quite heavy. He is about to move from his old location on North Pearl to State street.

**NEW YORK RETAIL FLORISTS' SMOKER.**

The Retail Florists' Association and the Greek-American Florists' Association held a joint smoker at the Hotel Breslin on Monday night, January 31. About fifty were present, the Greek contingent being largely in evidence. The affair was a charming success. The tables were beautifully decorated and the musical entertainment, furnished by the Hotel Breslin, was a conspicuous feature.

M. A. Bowe, president of the American Association, occupied the chair. Speeches were made by George E. M. Stumpp, Anton Schultheis, Max Schling, Charles Brown, W. H. Long and several others, including the officers of the Greek-American Association. Harmony and fraternity were dominant on all sides and much confidence was expressed as to the beneficial results to be realized by joint action between the two organizations, not only to the retail florists but to the wholesale dealers as well. Much is expected from the cooperation of the wholesalers on matters pertaining to the general welfare.

**HIGH GRADE PLANTS**

For Retail Stores a Specialty

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**F. R. PIERSON CO.**FLORISTS AND  
PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

**JOHN BREITMEYER'S SONS**Cor. Broadway and Gratiot Aves.  
DETROIT, MICH.Artistic Designs . . .  
High Grade Cut Blooms

We cover all Michigan points and good sections of Ohio, Indiana and Canada.  
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ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY  
AND VICINITY

Members Florists' Telegraph Delivery

WASHINGTON,  
D. C.**GUDE'S**Member Florists  
Telegraph  
Delivery**SAMUEL MURRAY**Kansas City, Mo.  
1017 Grand Ave.

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**The Park Floral Co.**

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**J. B. KELLER SONS,  
FLORISTS**

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Rochester Phone 506. Long Dist. Bell Phone 2880  
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**'THE HOME OF FLOWERS'**

The largest cut flower store in America.  
Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

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HENRY R. COMLEY, Florist, 6 Park St.  
50 years' experience in the florists business guarantees efficiency to take care of all orders. 20 per cent. allowed.

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Prompt Auto Delivery  
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Deliveries to Steamers and all Eastern Ports

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**A. GRAHAM & SON**

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Will take good care of your orders

Members of F. T. D. Association.

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Auto delivery of Designs and Flowers to  
any address in Washington.

Stock and Work First Class

Orders Filled Day or Night for

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Complete Stock. Regular discount to Trade.

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Flowers of Every Kind in Season

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440 Main St., Buffalo, N. Y.

ANDERSON service means fresh, sturdy  
Stock and prompt deliveries in BUFFALO,  
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Randall's Flower Shop

HARRY L. BANDALL, Proprietor.

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## IN THE HEART OF THE COMMONWEALTH

Centrally Located for Deliveries in All Parts of New England.

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125,000 Sq. Ft. of Glass  
WORCESTER, MASS.

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Leading Retail Florists Listed by  
Towns for Ready Reference. Orders  
transferred by telegram or otherwise  
to any of the firms whose address is  
here given will be promptly and prop-  
erly filled and delivered.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl  
St.

Albany, N. Y.—The Rosery, 23 Steuben  
St.

Albany, N. Y.—Danker, 40-42 Maiden  
Lane.

Albany, N. Y.—William C. Gloeckner, 97  
State St.

Boston—Thos. F. Galvin, 1 Park St.

Boston—Penn the Florist, 37-43 Brom-  
field St.; 124 Tremont St.

Boston—H. R. Comley, 6 Park St.

Buffalo, N. Y.—S. A. Anderson, 440 Main  
St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan  
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid  
Ave.

Cleveland, O.—Adam Graham & Sons,  
5523 Euclid Ave.

Cleveland, O.—Knoble Bros., 1836 W. 25th  
St.

Cleveland, O.—The Smith & Feters Co.,  
735 Euclid Ave.

Denver, Col.—Park Floral Co., 1643  
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,  
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017  
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-  
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.  
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth  
Ave.

New York—Thos. F. Galvin, Fifth Ave.,  
at 46th St.

New York—A. T. Bunyard, 413 Madison  
Ave., at 48th St.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415  
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25  
Clinton Ave., N.

Rochester, N. Y.—Salter Bros., 38 Main  
St., West.

St. Louis, Mo.—Fred C. Weber, 4526-25  
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-  
son Co.

Toronto, Can.—J. H. Dunlop, 8-10 West  
Adelaide St.

Washington, D. C.—Gude Bros., 1214 F  
St.

Washington, D. C.—F. H. Kramer, 915  
F St., N. W.

Worcester, Mass.—H. F. A. Lange.  
Worcester, Mass.—Randall's Flower Shop,  
3 Pleasant St.

*Penn The Florist*

"The Telegraph Florist"

Member of Florists' Telegraph Delivery

124 Tremont St., BOSTON

**REUTER'S** Members Florists  
Telegraph  
Delivery

STORES IN

New London and Norwich, Conn.  
and Westerly, R. I.

We cover the territory between

New Haven and Providence

ST. LOUIS, MO.

**FRED C. WEBER**

4326-28 Olive St.

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NOTICE INITIALS. We have one store only

THE J. M. GASSER COMPANY,

**CLEVELAND**

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The Far-Famed Flowers of

**TORONTO**

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP**

8-10 West Adelaide St. - TORONTO, ONT.

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**EYRES**

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER

1 NORTH PEARL STREET, ALBANY, N. Y.

**KERR**

The Florist

ORDERS FOR TEXAS

HOUSTON, TEXAS

## NEWS ITEMS FROM EVERYWHERE

### WASHINGTON, D. C.

Mrs. George C. Saffer is reported to be gradually recovering from quite a severe illness which has kept her confined to her home the several weeks.

Louis H. Hohman has returned to his old job at Gude Bros.' store. He left the employ of this concern to engage in the insurance business but finds flower store work far more attractive.

The New Center Flower Shop was opened last week in the hotel of that name by J. Richards, who was formerly in the employ of Fred H. Kramer and who for a number of years has been connected with other florists in the Center Market. All of the fixtures are in white and present a remarkably neat appearance.

A series of free public lectures was begun last week at the School of Horticulture of the Maryland Agricultural College. Two lectures were given each evening. The concluding lectures on February 4 are "Hardy Perennials Around the House," by Prof. Bert W. Anspen, and "Rose Growing," by Prof. F. L. Mulford, of the Department of Agriculture.

Permits have just been issued by the British Foreign Office at London in favor of the Henry F. Michell Company, Phila., Pa., and Frank Netschert Co., New York. Under these permits, which guarantee the unmolested shipment of the merchandise from Rotterdam, the first-named will secure nearly 5000 pounds of vegetable seeds valued at \$590, while the latter will receive a shipment of florists' supplies of German origin valued at 1724 marks.

The National Botanic Gardens will not be moved from the present site if Senator John Sharp Williams, of Mississippi, who has charge of matters pertaining to the Gardens, has his way, for he has stated that in his belief the garden and greenhouses should be kept where they are, accessible to the thousands of school children of the city and to men and women who could not visit them if located as proposed in Rock Creek or Potomac parks. Mr. Williams stated that he "has no objection, if Congress sees fit, to the establishment of a garden in either of these parks, where every known kind of plant life can be grown and exhibited, but, in my opinion, the present Botanic Garden should be continued where it is." The friends of the late William R. Smith would also regret to see the Gardena removed from the spot selected by him.

Despite the hue and cry late last year that there would be a marked shortage of foreign flowering plants for the Easter trade, the local establishments are already showing stock that bids fair to outclass previous years. At Gude's azalea plants now offered elicit much favorable comment. It is somewhat early for the best tulips, yet those now to be had are well worthy of mention. Jonquils are also

good, and cyclamen and Begonia Glory of Cincinnati are sales bringers. White lilac cut and potted is in good demand. In commenting upon present conditions, William F. Gude states that his firm is trying to get away from the use of American Beauty roses in dinner decorations as much as possible at this time. Spring flowers are plentiful and they are using these in many instances where roses formerly were demanded. Primroses, cyclamen and lilacs are being largely used this year for dinner decorations.

### CHICAGO.

Marks Bros. will add three new houses to their range this spring.

O. J. Friedman has moved two doors farther south to 516 S. Michigan Ave.

Frank Oechslin is on a business trip in the East, accompanied by Mrs. Oechslin.

John Poehlmann is so far recovered from his recent operation that he was removed on Sunday from the hospital to his home.

The Automobile Show of 1916, just closed, has left in its wake the usual number of purchasers and would be's, of whom a fair proportion are florists.

August and Adolph Poehlmann were both confined to their beds with grippe over the week end. Used to overcoming obstacles, these gentlemen will soon be about again.

Harry Heini and Frank Schramm of Toledo, Ohio, were here looking over various greenhouses with an idea of getting pointers for building. They were at Poehlmann Bros. Saturday.

It is not often that any flower is too abundant in the Chicago market, but double violets have been in that class for several days. Buyers have not made the price on any other flower since early December.

The Chicago representation at the American Carnation Society meeting at St. Louis, Mo., are returning with good accounts of the meeting and exhibition. The after discussions between the men who are to turn the flowers into money are most interesting and would perhaps tend to show the commercial value of the flower in a truer light.

The growth of the city will soon cause another landmark to become a memory. There are plenty of florists who can remember when the Geo. Wittbold greenhouses at Buckingham place were away out, and a trip there was something to be planned ahead for. Now they are surrounded by apartments and other residential property, and the ground must be given up to make room for more places to house the people and provide for their needs. The Geo. Wittbold Co., established many years ago by the late Geo. Wittbold, will build farther out and erect an apartment with store on the old site.

### BOSTON.

A. Soper on Wednesday at the Hanover Greenhouses, Hanover, Mass., has purchased a greenhouse at Marlboro, Mass., and will grow carnations.

The growers who attended the St. Louis show arrived back in Boston Saturday morning. The Eastern delegation have reason to be proud of their record which was as follows: There were nine entries by S. J. Goddard, eight by C. S. Strout, three by A. Roper, four by E. Saunders, six by W. Lenk—a total of thirty. Twenty-six prizes were taken as follows: S. Goddard nine, C. Strout eight, A. Roper two, E. Saunders four, W. Lenk three.

Dr. George T. Moore, the eminent biological chemist and director of the Missouri Botanical Gardens, on January 29, lecturing at Horticultural Hall, pictured graphically how Boston might use some portion of the Fenway for beautiful botanical gardens where thousands of people might enjoy the beauties of tropical and temperate nature at all times of the year. Dr. Moore flashed on the screen many pictures of the famous Shaw gardens of St. Louis, which cover 125 acres. These gardens are visited by thousands of St. Louis school children at various seasons of the year.

The Horticultural Club of Boston held a special session at the Parker House, on Saturday evening, January 29th, to extend a welcome to Dr. George T. Moore of St. Louis. Other invited guests were Prof. L. C. Elson of the N. E. Conservatory of Music and Henry M. Hutchings of Boston. The table was resplendent with acacias and sweet peas from Thomas Roland and there were superb specimens of Mrs. Moorfield Storey rose from Waban Rose Conservatories and giant mignonette from M. A. Patten.

At the regular monthly meeting on Wednesday evening, February 2, Fred A. Wilson gave a talk on the technical and scientific aspects of greenhouse construction, illustrated by working models. The guests of the evening were Hon. Samuel W. McCall, Governor of Massachusetts; W. P. Rich, secretary of the Massachusetts Horticultural Society; Prof. Louis C. Elson; Arthur Elson, and Wm. H. Sayward, secretary of the Master Builders' Association. The banquet table was artistically decorated by M. A. Patten and Wm. Sim.

Pittsburgh, Pa.—William A. Clark and T. P. Langhans of the Pittsburgh Cut Flower Company, spent last Monday at their plant at Bakerstown. Oliver H. Langhans and William T. Ussinger, representatives of the same firm, are on a western business trip. Mr. Ussinger had just returned to business after ten days' detention at home from the gripe.

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### NEW YORK.

Herman Weiss, who has been associated with the wholesale cut flower trade in west 28th street for some years, has started in the commission business for himself at 106 W. 28th street, a conveniently located and attractive store. Mr. Weiss has the requisite experience and industry to make it go and that is the only way it can be done nowadays in the ever increasing hive of flower trade hustlers with which that street is lined from Broadway almost to 7th avenue.

The second of a series of Flower Shows conducted by the Country Life Permanent Exposition, Grand Central Terminal, to arouse greater interest on the part of city folks and suburbanites in country life, will open on Thursday, February 10, at 2 P. M., and will continue throughout the week, including Lincoln's Birthday. Roses and carnations will be the feature. Table decorations, of which there were fourteen entries in competition in the Chrysanthemum Show held in November, will be one of the chief attractions. The tables, china, glass and silverware will be furnished and set by the Grand Central Terminal Restaurant and the Biltmore Hotel, so that with the accessories all alike, the floral decoration of the tables should be of more than passing interest. On Thursday, the opening day, a lecture will be delivered at 3 P. M. by Arthur Smith, of Reading, Pa., on "Outdoor Roses, Their Habits and Culture." Admission to the show and to the lecture is free, and the public is cordially invited.

### AN OLD CAMPAIGNER.

We take pleasure in presenting this latest and best portrait of E. G. Hill, the man who put Richmond, Ind., on the map and has done a big share in placing Indiana and suburbs in the position occupied by that state horticulturally at home and abroad. The old campaigner has participated in many a drive and many a scrimmage since he first strode into the limelight as a founder and the first secretary of the Society of American Florists and later its president. Everybody who is anybody in horticulture knows "Gurney" Hill in his captivating personality and business sagacity, and

his achievements in the raising and introducing of roses, carnations and chrysanthemums of high merit are common knowledge in the trade. Although retired from a portion of his active participation in the business of his company, he is "still in the ring" and we hope will continue so to be for many years to come. No exhibition or society meeting of national scope is complete without E. G. Hill.



E. GURNEY HILL

At the banquet table and in the ante-rooms and corridors his wit and sage comment on pertinent topics, his optimism and his inexhaustible fund of anecdotes are never without a full retinue of eager listeners. "Long may he wave."

St. Louis.—E. W. Guy and the St. Clair Floral Co., both of Belleville, suffered a heavy loss at their greenhouse plant by a big wind storm early on Thursday morning, January 27th. The Halstead residence also had great damage. The other florists escaped with but little glass broken. The estimated loss runs into several thousand dollars.

### VISITORS' REGISTER.

Richmond, Ind.—C. E. Critchell, Cincinnati, O.

Kansas City: Paul Klingsporn of Chicago Flower Growers' Association.

St. Louis, Mo.—Paul Berkowitz of H. Bayersdorfer & Co., Phila.; J. Anderson of Randall Co., Chicago; Tanil Selegeman, T. Le Vine and Julius Dillhoff, New York.

Washington—J. E. Killen, Phila., Pa.; Alfred Zeller and Mrs. Zeller, Brooklyn, N. Y.; S. H. Bayersdorfer, Phila., Pa.; H. J. Anderson, repr. A. N. Pierson, Cromwell, Conn.

Cincinnati: Mrs. J. J. Lampert, Xenia; Miss Lodder, Hamilton; Fred Rupp, Laurenceburg, Ind.; Walter Gray, Hamilton; M. Anderson, Dayton; Floyd Anderson, Xenia; Frank J. Farney, Phila.; S. Lipman and Julius Dillhoff, New York City.

Boston: W. C. Langbridge, Cambridge, N. Y.; Ed. Jenkins, Lenox, Mass.; R. M. Ward, New York, N. Y.; L. Van Leuwen and Mr. Van Zantini, Sassenheim, Holland; Dr. George T. Moore, Missouri Botanical Garden, St. Louis; Gustave Thommen, Billerica, Mass.

Philadelphia: Prof F. L. Howland, Department of Agriculture, Washington, D. C.; Robert T. Brown, Cottage Gardens Co., Queens, N. Y.; Harry O. May, Summit, N. J.; Robert Simpson, Clifton, N. J.; Benj. Hammond, Beacon, N. Y.; Joseph Manda, West Orange, N. J.

Chicago—Harry Heintz, West Toledo, Ohio; Frank Schramm, Toledo, Ohio; Geo. W. Jacobs, Carlton, Ill.; Robt. C. Kerr, Houston, Texas; Vincent Gorley, St. Louis, Mo.; A. Herrington, Madison, N. J.; A. Ver Way, repr. Reynolds & Sons, Hillegom, Holland; Milton Alexander, New York.

Pittsburgh—James F. Smith, representing the William J. Boas Company, of Phila.; George W. Cohen, of Cohen & Hille, New York; Joseph J. Goudy, repr. Henry A. Dreer, Phila.; R. E. Blackshaw, of the A. L. Randall Co., Chicago; H. Den Ouden, Boskoop, Holland; S. Verdegaaal, Sassenheim, Holland.

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Roses			
Am. Beauty, Special	49.00 to 25.00	25.00 to 40.00	60.00 to 75.00
" " Fancy and Extra	30.00 to 30.00	25.00 to 30.00	20.00 to 40.00
" " No. 1	8.00 to 2.00	10.00 to 15.00	1.00 to 15.00
Russell, Hadley	8.00 to 25.00	10.00 to 15.00	4.00 to 20.00
Killarney, Richmond, Hillingdon, Ward, Extra	1.00 to 12.00	8.00 to 10.00	8.00 to 12.00
" " Ordinary	1.00 to 8.00	5.00 to 6.00	3.00 to 6.00
Arenburg, Radiance, Taft, Key, Extra	10.00 to 12.00	1.00 to 12.00	8.00 to 12.00
" " Ordinary	6.00 to 8.00	1.00 to 8.00	1.00 to 6.00
Ophelia, Mock, Sunburst, Extra	1.00 to 15.00	8.00 to 10.00	8.00 to 15.00
" " Ordinary	1.00 to 10.00	5.00 to 6.00	3.00 to 6.00
Carnations, Fancy	1.00 to 4.00	2.00 to 4.00	1.00 to 4.00
" " Ordinary	2.00 to 3.00	1.50 to 2.00	1.50 to 2.00
Cattleyas	30.00 to 50.00	50.00 to 60.00	20.00 to 50.00
Dendrobium formosum	1.00 to 40.00	1.00 to 1.00	1.00 to 1.00
Lilies, Longiflorum	8.00 to 12.00	12.00 to 15.00	12.50 to 15.00
" " Rubrum	6.00 to 8.00	6.00 to 8.00	5.00 to 8.00
Callas	12.00 to 16.00	10.00 to 12.00	12.50 to 15.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	2.00 to 5.00
Delis	2.00 to 3.00	.25 to .50	.50 to 2.00
Violets	.4 to .60	.5 to .75	.20 to .75
Mignonette	4.00 to 5.00	3.00 to 4.00	2.00 to 5.00
Snopdragon	6.00 to 1.00	4.00 to 5.00	4.00 to 16.00
Narcissus, Paper-White	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
" " Trumpet	1.00 to 5.00	1.00 to 1.00	3.00 to 4.00
Tulips	3.00 to 4.00	3.00 to 4.00	4.00 to 4.00
Hyacinths, Roman	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00
Freesia	1.00 to 4.00	1.00 to 1.00	1.50 to 6.00
Calendulas	2.00 to 3.00	3.00 to 4.00	2.00 to 5.00
Sweet Peas	1.00 to 2.00	1.00 to 2.00	.50 to 2.00
Gardenias	15.00 to 50.00	1.00 to 1.00	6.00 to 25.00
Adiantum	1.00 to 1.00	1.00 to 1.00	1.00 to 1.00
Smilax	12.00 to 16.00	18.00 to 15.00	15.00 to 20.00
Asparagus Plumosus, String & Spreng. "Tree Bch.	25.00 to 50.00	35.00 to 35.00	25.00 to 50.00

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NEW YORK

A black and white photograph of a flowering branch, likely a plum or cherry, with several buds and small blossoms. The image is framed by a dark border.

and now that winter has again started in a steady market is fairly assured. Roses are not in crop with many growers but quality of those that come in is excellent. Cattleyas continue at the bottom of the ladder, but

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**NEW YORK QUOTATIONS PER 100. To Dealers Only****ROSES AND CARNATIONS**

	Last Half of Week ending Jan. 29 1916		First Half of Week beginning Jan. 31 1916	
American Beauty, Special .....	35.00	to 75.00	35.00	to 75.00
" " Fancy and Extra .....	15.00	to 25.00	15.00	to 25.00
" " No. 1 .....	5.00	to 12.00	5.00	to 12.00
Russell, Hadley .....	12.00	to 50.00	12.00	to 50.00
Killarney, Richmond, Hillingdon, Ward, Extra .....	8.00	to 12.00	8.00	to 12.00
Ordinary .....	4.00	to 6.00	4.00	to 6.00
Arenburg, Radiance, Taft, Key, Extra .....	8.00	to 12.00	8.00	to 12.00
Ordinary .....	4.00	to 6.00	4.00	to 6.00
Ophelia, Mock, Sunburst, Extra .....	8.00	to 15.00	8.00	to 15.00
Ordinary .....	4.00	to 6.00	4.00	to 6.00
Carnations, Fancy .....	4.00	to 5.00	3.00	to 5.00
Ordinary .....	2.00	to 3.00	2.00	to 3.00

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MAURICE L. GLASS, Treasurer

## Flower Market Reports

(Continued from page 186)

for no apparent good reason. There is some splendid lilac, single and double white, now and a moderate amount of *Acacia pubescens* is being offered.

As predicted in PHILADELPHIA our last week's report, stock became generally much more plentiful and prices eased up very considerably. By Friday there was an accumulation and the first instance of anything being sacrificed for a long time back. About the only scarce item was American Beauty. This is taking its mid-winter sleep and quotations are higher. Other roses are in larger supply and easier. Carnations are very fine and the supply is so heavy that very moderate prices prevail. The warm weather has "played hob" with the sweet peas. First they came in with a rush and then got sick and refused to produce the goods. This flower is not at its best in very hot weather either indoors or out. Orchids continue fairly plentiful, but the indications are that they will be scarcer very soon. The lily of the valley market is rather spasmodic. Sometimes they are quite scarce, then in a day or two plentiful again. This is rather unusual for this steady-going old standby. Emperor and Empress have added class to the daffodil host the past week and caused a regrading of prices on the smaller flowered types. Camellias and orange blossoms add a touch of the old-fashioned and festive to the general effect. There is also a hint of *Acacia pubescens* here and there which while it lasts is one of the delectables and eagerly sought for.

As an effusive young PITTSBURGH wholesale salesman put it, "the debutantes are still on the job," thus adding to the floral demands. Stock is still more plentiful, although not up to the mark. Carnations are about even with the demand, and violets are coming in fairly well from the East, the recent weather practically precluding the home product. Lily of the valley and white roses are very scarce, although roses of all colors are producing about as needed. Prices continue about the same as for some weeks past.

The wholesale market ST. LOUIS is in better condition than it has been any time this year. Carnations are coming in fine now. Roses are also coming much better than at any time this year with Killarneys in the largest bulk. Tulips are now coming in fine quality, all other staple flowers are in normal supply and demand.

## HEADQUARTERS

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## NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Jan. 29 1916		First Half of Week beginning Jan. 31 1916	
Cattleyas	10.00	to 25.00	10.00	to 25.00
Dendrobium formosum	25.00	to 50.00	25.00	to 50.00
Lilies, Longiflorum	8.00	to 12.00	8.00	to 12.00
" Rubrum	6.00	to 8.00	6.00	to 8.00
Callas	12.00	to 16.00	12.00	to 16.00
Lily of the Valley	2.00	to 4.00	2.00	to 4.00
Daisies	2.00	to 3.00	2.00	to 3.00
Violets	1.00	to 75	1.00	to 75
Mignonette	2.00	to 6.00	2.00	to 6.00
Snapdragon	3.00	to 6.00	3.00	to 6.00
Narcissus, Paper-White	2.50	to 3.00	2.50	to 3.00
Trumpet	3.00	to 4.00	3.00	to 4.00
Tulips	2.00	to 5.00	2.00	to 5.00
Hyacinths, Roman	2.00	to 3.00	2.00	to 3.00
Freesia	2.00	to 4.00	2.00	to 4.00
Calendulas	2.00	to 3.00	2.00	to 3.00
Sweet Peas	1.00	to 1.50	1.00	to 1.50
Gardenias	15.00	to 35.00	15.00	to 35.00
Adiantum	.50	to 1.00	.50	to 1.00
Smilax	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, strings (per 100)	30.00	to 40.00	35.00	to 40.00
& Sorel (100 bunches)	15.00	to 20.00	15.00	to 20.00

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Wholesale Commission Florists  
110 West 28th St., New York

We solicit Consignments of New  
Entered Goods Noted

## RIEDEL & MEYER, Inc.

Wholesale Commission

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101 W. 28th St., NEW YORK

We have 20 years' experience behind us.  
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## D. C. Arnold & Co., Inc.

Wholesale Florists

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Telephone, 2287 Farragut  
Consignments Solicited

## UNITED CUT FLOWER CO., INC.

Flowers Sold on Commission

Consignments of

Good Stock Solicited

PERCY W. RICHTER, Mgr., NEW YORK  
111 W. 28th Street

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. Dysart, 40 State St., Boston.  
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## APHINE

Aphine Mfg. Co., Madison, N. J.  
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## APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.  
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## ASPARAGUS

Asparagus Plumosus flambé pot plants, 2 to 5 in. above pots, \$1.50 per 100; 3 in. pots, \$5.00 per 100, sure to please. Cash please. B. C. BLAKE, R. D. 4, Springfield, Ohio.

## ASPARAGUS PLUMOSUS NANUS SEED.

R. & J. Farquhar & Co., Boston, Mass.  
New Crop.  
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The MacNitt Horticultural Co.,  
New York City.  
Plant and Bulb Sales by Auction.  
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Elliott Auction Co., New York City.  
Plant Auctioneers.  
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## AZALEAS

P. Ouwerkerk, Hoboken, N. J.  
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## BASKETS

H. Bayersdorfer & Co., Philadelphia, Pa.  
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## BAY TREES

Write for wholesale price-list.  
JULIUS ROEHRS CO., Rutherford, N. J.

## BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.  
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R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.

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## BEGONIAS

Henry A. Dreer, Philadelphia, Pa.  
Superior Tuberous Rooted Begonias.  
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## BEGONIAS.

Delivery from May 15th.  
Lorraine, 2½ in. pots, \$12.00 per 100; Cincinnati, 2½ in. pots, \$15.00 per 100. Mrs. J. A. Peterson (New), 2½ in. pots, \$25.00 per 100. \$20.00 per 100.  
JULIUS ROEHRS CO., Rutherford, N. J.

## BOILERS

Kroeschell Bros. Co., Chicago.  
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King Construction Co., North Tonawanda, N. Y.  
"King Ideal" Boiler.  
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Hitchings & Co., New York City.  
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Lord & Burnham Co., New York City.

## BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.  
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Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

## BOX TREES

BOX TREES.  
Standards, Pyramids and Bush. Price-list on request.  
JULIUS ROEHRS CO., Rutherford, N. J.

## BULBS AND TUBERS

Hogewoning & Sons, Rynsburg, Holland and 32 Broadway, New York City.  
Spring and Fall Bulbs.  
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Ralph M. Ward & Co., New York City.  
Lily Bulbs.  
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John Lewis Childs, Flowerfield, L. I., N. Y.  
Gladioli.  
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August Rolker & Sons, New York City.  
Forcing Bulbs and Plants.  
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Chas. Schwabe & Co., New York City.  
Horticultural Importers and Exporters.  
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Burnett Bros., 96 Chambers St., New York.  
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Joseph Breck & Sons Corp., Boston, Mass.  
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W. E. Marshall & Co., New York City.  
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Fottler, Flske, Rawson Co., Boston, Mass.  
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C. KEUR & SONS, HILLEGOM, Holland.  
Bulbs of all descriptions. Write for prices.  
NEW YORK Branch, 8-10 Bridge St.

## CALADIUMS

Henry A. Dreer, Philadelphia, Pa.  
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## CANNAS

Arthur T. Boddington Co., Inc.,  
New York City.  
Boddington's Quality Cannas.  
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John Lewis Childs, Flowerfield, L. I., N. Y.  
Canna Roots.  
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Newest list of the newest Cannas just out. Complete assortment of the finest sorts, at remarkable rates.  
Send for list today.

THE CONARD & JONES CO.  
West Grove, Pa.

## CARNATIONS.

Cottage Gardens Co., Inc., Queens, N. Y.  
New Carnation Cottage Maid.  
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Wood Bros., Fishkill, N. Y.  
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F. Dorner & Sons Co., Lafayette, Ind.  
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Littlefield & Wyman, North Abington, Mass.  
New Pink Carnation, Miss Theo.  
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## CARNATION STAPLES

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

## CHRYSANTHEMUMS

Charles H. Totty, Madison, N. J.  
Chrysanthemum Miss Elva Scoville.  
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Elmer D. Smith, Adrian, Mich.  
New Chrysanthemum Catalogue for 1916.  
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## COLEUS

Coleus, Golden Bedder, Verschaffeltii, Queen Victoria, Firebrand and all leading varieties, including the Pink and Yellow Trailing Queen, clean, strong, well rooted cuttings, \$6.00 per 1000. Cash with order, and satisfaction guaranteed. Send for list. Largest grower of coleus in the U. S. A. NAHLIK, 261-75 Lawrence St., Flushing, N. Y.

Christmas Gem Coleus, 8c. B. C. BLAKE, R. D. 4, Springfield, Ohio.

## CYCLAMEN

Best strain. Separate colors or mixed. 3 in. pots, \$8.00 per 100.  
JULIUS ROEHRS CO., Rutherford, N. J.

## DAHLIAS

R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.  
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Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens, J. L. MOORE, Prop., Northboro, Mass.

## NEW PAEONY DAHLIA

John Wamamker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

## DECORATIVE PLANTS

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Boblink & Atkins, Rutherford, N. J.  
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Thomas Roland, Nahant, Mass.  
High Grade Plants for Retail Florists.  
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A. M. Davenport, Watertown, Mass.  
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## DRACAENAS

Dracaena Indivisa, 3 in. potted, 3c.; 4 in. potted, 6c., well established. Cash please. B. C. BLAKE, R. D. 4, Springfield, Ohio.

## FERNS

John Scott, Brooklyn, N. Y.  
The Home of the Scotti Fern.

H. H. Barrows & Son, Whitman, Mass.  
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A. M. Davenport, Watertown, Mass.  
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Ferns from 2 in. pots, immediate delivery: Boston, 3c.; Roosevelt, 4c.; Teddy, Jr., 5c.; 4 in. Boston, 12c.; 4 in. Teddy, Jr., 15c., extra heavy. Cash please. B. C. BLAKE, R. D. 4, Springfield, Ohio.

**FERTILIZERS**

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Wizard Brand Cattle Manure.  
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Copper Solution.  
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Aphine Mfg. Co., Madison, N. J.  
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B. G. Pratt Co., New York City.  
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**GERANIUMS**

R. Vincent, Jr. & Sons Co.  
White Marsh, Md.  
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GERANIUMS—Sept. and Oct. rooted, for immediate shipment, La Favorite, Jean Oberle, Gen. Grant, Apple Blossom, strong single stem, 2½ in., \$2.00 per 100; branched, 2½ and 3 in., and single stem, 3 in., \$3.00 per 100. Cash with order, please. SUNNY-SIDE GREENHOUSES, Groton, N. Y.

**GLADIOLI**

John Lewis Childs, Flowerfield, L. I., N. Y.  
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A. Henderson & Co., Chicago, Ill.  
Forcing Gladioli.  
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America bulbs for forcing, 1½ in. up, \$6.00. Selected, \$8.00. Blooming size, \$4.00; 250 for \$1.00. Special price on large order. Write for 1916 Surplus List. BROOK-LAND GARDENS, Woburn, Mass.

**GLASS**

Sharp, Partridge & Co., Chicago.  
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Parshelsky Bros., Inc., Brooklyn, N. Y.  
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Royal Glass Works, New York City.  
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Greenhouse glass, lowest prices. JOHN STON GLASS CO., Hartford City, Ind.

**GLAZING POINTS**

H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.  
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**GOLD FISH**

Gold fish, aquarium plants, snails, castles, globes, aquarium fish goods, nets, etc., wholesale. FRANKLIN BARNETT, Breeder, 4815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

**GREENHOUSE BUILDING MATERIAL**

King Construction Co., N. Tonawanda, N. Y.  
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Lord & Burnham Co., New York City.

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The Kervan Co., New York.  
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Palisades Nurseries, Sparkill, N. Y.  
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Old Town Nurseries, South Natick, Mass.  
Evergreens and Hardy Perennials.  
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**HOT BED SASH**

A. T. Stearns Lumber Co., Neponset, Mass.  
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Parshelsky Bros., Inc., Brooklyn, N. Y.  
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Standard hotbed sash, 1½ in. thick, with crossbar, 80c. each; lots of 25 and over, 75c. each. Blind tenons; white leaded in joints. The life of a sash depends on this construction. We GUARANTEE our sash to be satisfactory or refund your money. Glass, 6 x 8, 8 x 10, 10 x 12, or 12 x 14, \$3.00 per box of 50 sq. ft. C. N. ROBINSON & BRO., Dept. 29, Baltimore, Md.

Foley Greenhouse Construction Co., Chicago, Ill.  
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Lord & Burnham Co., New York City.

**HOSE**

H. A. Dreer, Philadelphia, Pa.

**HYACINTHS**

HYACINTHS, 3 colors, 4 in. pots, \$7.00 per 100. PRIMROSES in bloom, 4, 5 and 6 in. pots, 10c., 15c., 20c. PRIMROSE MALACOIDES, 4 in., in bloom, 15c. VINCAS, 3 in., 4c. FUCHSIAS, 2 in., 2c. BEGONIA CHATELAINE, 5 in., in bloom, 25c. CYCLAMEN in bloom, 25c., 35c., 60c., 75c. ASPARAGUS PLUMOSUS, 4 in., 7c. AZALEAS for late forcing, 75c. GLADIOLUS bulbs, \$10.00 per 1000. ROSENDALE GREENHOUSES, Schenectady, N. Y.

**INSECTICIDES**

Benjamin Hammond, Beacon, N. Y.  
Hammond's Slug Shot—Grape Dust.  
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Aphine.  
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**IRRIGATION EQUIPMENT**

Skinner Irrigation Co., Brookline, Mass.  
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**IVIES**

English Ivy, Rooted Cuttings, 75c. per 100, prepaid. CHAS. FROST, Kenilworth, N. J.

**LILY BULBS**

Chas. Schwake & Co., New York City.  
Horticultural Importers and Exporters.  
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R. M. Ward & Co., New York, N. Y.  
Japanese Lily Bulbs of Superior Quality.  
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National Nurseryman Publishing Co., Inc.  
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**In writing to Advertisers kindly mention Horticulture**

**NUT GROWING.**

The Nut Grower, Waverly, Ga.  
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Lager & Horrell, Summit, N. J.

**PANDANUS VEITCHI**

Julius Reehrs Co., Rutherford, N. J.

**PANSY PLANTS**

Panster, the big plant flowering kind, \$3.00 per 1000, in bud and bloom, \$5.00 and \$15.00 per 1000. Cash. If I could only show the new plants, hundreds of testimonials and repeat orders I would be flooded with new business. JAMES MOSS, Johnsville, Pa.

**PHOENIX CANARIENSIS**

In all sizes. Special price list on demand. JULIUS REEHRS Co., Rutherford, N. J.

**PEONIES**

Peonies. The world's greatest collection 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

**PECKY CYPRESS BENCHES**

A. T. Stearns Lumber Co., Boston, Mass.  
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Stearns Thomas Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

**PLANT TUBS**

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"Riverton Special."

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New Rose Mrs. Bayard Flayer.  
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**THE CONARD & JONES COMPANY,**

Rose Specialists  
West Grove, Pa. Send for offers.

**SCALECIDE**

R. G. Pratt Co., New York City.

**SEASONABLE PLANT STOCK**

R. Vincent, Jr. & Sons Co., White Marsh, Md.  
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California Seed Growers' Association,  
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**SEEDS**

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Seeds with a Pedigree.  
Boston, Mass., and London, England.  
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Langport, Somerset, England.  
English Strain Garden Seeds.  
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D. P. P. Roy, Chicago, Ill.  
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Fottler, Flske, Rawson Co., Boston, Mass.  
Seeds for the Florist.  
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**SKINNER IRRIGATION SYSTEM**

Skinner Irrigation Co., Brookline, Mass.  
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**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGER & HURRELL, Summit, N. J.

**SPRAYING MATERIALS**

R. G. Pratt Co., New York City.  
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**STANDARD THERMOMETERS**

Standard Thermo Co., Boston, Mass.  
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**STRAWBERRY PLANTS.**

Strawberry Plants, sixteen varieties, at \$2.50 per 1000. Catalogue free. HANSEL CHERRY, Georgetown, Maryland.

**SWEET PEA SEED**

Ant. C. Zvolanek, Lompoc, Calif.  
Gold Medal of Honor Winter Orchid Sweet Peas.  
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**WIREWORK**

Reed & Keller, New York City.  
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WILLIAM E. HEILSCHER'S WIREWORKS, 264 Randolph St., Detroit, Mich.

**WHOLESALE FLORISTS**

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.  
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The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.  
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**Boston**

Welch Bros. Co., 226 Devonshire St.  
For page see List of Advertisers.

Patrick Welch, 262 Devonshire St., Boston, Mass.  
For page see List of Advertisers.

**Brooklyn**

Wm. H. Kuebler, 28 Willoughby St.  
For page see List of Advertisers.

**Buffalo, N. Y.**

William F. Kasting Co., 383-87 Ellicott St.  
For page see List of Advertisers.

**Chicago**

Poehlmann Bros. Co., Morton Grove, Ill.  
For page see List of Advertisers.

Chicago Flower Growers' Association,  
182 N. Wabash Ave., Chicago, Ill.  
For page see List of Advertisers.

J. A. Budlong, 184 North Wabash Ave., Chicago, Ill.  
For page see List of Advertisers.

**Detroit**

Michigan Cut Flower Exchange, 264-266 Randolph St.  
For page see List of Advertisers.

**For List of Advertisers See Page 167**

## WHOLESALE FLORISTS

## New York

- H. E. Froment, 148 W. 28th St.  
For page see List of Advertisers.
- James McManus, 106 W. 28th St.  
For page see List of Advertisers.
- W. F. Sheridan, 133 W. 28th St.  
For page see List of Advertisers.
- P. J. Smith, 131 West 28th St., N. Y.  
For page see List of Advertisers.
- Moore, Hentz & Nash, 55 and 57 W. 26th St.  
For page see List of Advertisers.
- Charles Millang, 55 and 57 West 26th St.  
For page see List of Advertisers.
- W. P. Ford, New York  
For page see List of Advertisers.
- J. K. Allen, 118 West 28th St., New York City.  
For page see List of Advertisers.
- The S. S. Pennock-Meehan Co., 117 West 28th St.  
For page see List of Advertisers.
- Treadly & Schenck, 436 6th Ave., between 26th and 27th Sts.  
For page see List of Advertisers.
- Badgley & Bishop, Inc., New York.  
For page see List of Advertisers.
- Woodrow & Marketos, 37 & 39 West 28th St.  
For page see List of Advertisers.
- Biedel & Meyer, Inc., 49 West 28th St., New York City.  
For page see List of Advertisers.
- George C. Siebrecht, 109 W. 28th St.  
For page see List of Advertisers.
- John Young & Co., 53 West 28th St.  
For page see List of Advertisers.
- M. C. Ford, 121 West 28th St.  
For page see List of Advertisers.
- B. S. Shinn, Jr., New York City.  
For page see List of Advertisers.
- United Cut Flower Co., Inc., 111 W. 28th St.  
For page see List of Advertisers.
- Guttman & Reynor, Inc., 101 W. 28th St., New York.  
For page see List of Advertisers.
- Gunther Bros., 110 West 28th St., New York City.  
For page see List of Advertisers.
- D. C. Arnold & Co., Inc., 112 West 28th St., New York City.  
For page see List of Advertisers.
- Henry M. Robinson Co., New York City.  
For page see List of Advertisers.
- W. R. Siebrecht, 114 West 28th St., New York City.  
For page see List of Advertisers.
- Philadelphia**
- Leo. Niessen Co., 12th and Race Sts.  
For page see List of Advertisers.
- Edward Reid, 1619-21 Ransdell St.  
For page see List of Advertisers.
- The S. S. Pennock-Meehan Co., 1608-20 Ludlow St.  
For page see List of Advertisers.
- Philadelphia Wholesale Flower Exchange,**  
1625 Ransdell St., Philadelphia, Pa.  
For page see List of Advertisers.
- Richmond, Ind.**
- E. G. Hill Co.  
For page see List of Advertisers.
- Rochester, N. Y.**
- George B. Hart, 24 Stone St.  
For page see List of Advertisers.
- Washington**
- The S. S. Pennock-Meehan Co., 1216 H St., N. W.  
For page see List of Advertisers.

## New Offers In This Issue

## DIRECT IMPORTATIONS FLORISTS' PLANTS, VALLEY PIPS, MANETTI STOCKS, ETC.

McHutchison & Co., New York City  
For page see List of Advertisers.

## GREENHOUSE CONSTRUCTION.

S. Jacobs & Sons, Brooklyn, N. Y.  
For page see List of Advertisers.

## KING HUMBERT CANNAS.

Arthur T. Boddington Co., Inc., New York City.  
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## MOONVINES.

R. Vincent, Jr. & Sons Co., White Marsh, Md.  
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## ROCHESTER WHITE GLADIOLUS.

James Vick's Sons, Rochester, N. Y.  
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## RHODODENDRON CAROLINIANUM.

Harlan P. Kelsey, Salem, Mass.  
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## SCALECIDE.

B. G. Pratt Co., New York City.  
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## SEEDS FOR PRESENT SOWING.

R. & J. Farquhar & Co., Boston, Mass.  
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## SHADE TREES

W. B. Cole, Painesville, Ohio.  
For page see List of Advertisers.

## SELECTED FLOWER SEEDS.

Stump & Walter Co., New York City.  
For page see List of Advertisers.

## ST. VALENTINE HINTS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.  
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## WHOLESALE FLORIST

Herman Weiss, 106 West 28th St., New York City.  
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## WHOLESALE FLORIST.

J. J. Coan, 115 West 28th St., New York City.  
For page see List of Advertisers.

## PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 1, 1916.—SEALED PROPOSALS will be received in this office until 10 A. M., February 23, 1916, and then opened, for planting trees, shrubs, etc., on the grounds of the Federal Buildings at Duluth, Lake City, Moorhead, and Grand Rapids, Minn.; Bismarck and Minot, N. D.; Oak Park, Brookings, and Rapid City, S. D.; and Waterville, South Dakota; Lander and Rock Springs, Wyoming; and Billings, Montana. In accordance with the specifications, copies of which as well as copies of approach plans of the several buildings, may be had upon application to the respective Custodians of the buildings, or at this office. Make application only for the specification and drawing for the buildings for which you intend to submit proposals. JAS. A. WETMORE, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 29, 1916.—SEALED PROPOSALS will be received in this office until 10 A. M., February 21, 1916, and then opened, for planting trees, shrubs, etc., on the grounds of the Federal Buildings at Charleroi, Easton, Gettysburg, Greensburg, Homestead, Punxsutawney, Sewickley and Shamokin, Pennsylvania; Trenton, New Jersey; and Frostburg, Maryland, in accordance with the specifications, copies of which as well as copies of approach plans of the several buildings, may be had upon application to the respective Custodians of the buildings, or at this office. Make application only for the specification and drawing for the buildings for which you intend to submit proposals. JAS. A. WETMORE, Acting Supervising Architect.

## PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 27, 1916.—SEALED PROPOSALS will be received in this office until 10 A. M., February 17, 1916, and then opened, for planting trees, shrubs, etc., on the grounds of the Federal Buildings at Brookhaven, Grenada, Greenwood, Tupelo, Vicksburg, and Yazoo City, Miss.; Crowley and Lafayette, La.; Fayetteville, Hot Springs, Little Rock, Paragould and Searcy, Ark.; Chickasha, Guthrie and Kingfisher, Okla.; and Austin, Bonham, Brownwood, Cleburne, Eagle Pass, Gonzales, Hillsboro, McKinney, Marshall, Mineral Wells, San Marcos, Sulphur Springs, Temple, Terrell, Victoria, Waxahatchie and Weatherford, Texas, in accordance with the specifications, copies of which as well as copies of approach plans, may be had upon application to the respective Custodians of the buildings, or at this office. JAS. A. WETMORE, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 31, 1916.—SEALED PROPOSALS will be received in this office until 10 A. M., February 23, 1916, and then opened, for planting trees, shrubs, etc., on the grounds of the Federal Buildings at Bangor, Biddeford, Oldtown, and Waterville, Maine; Rochester, New Hampshire; Bennington, Vermont; Milford, New Bedford, Quincy, and Woburn, Massachusetts; Ansonia, and Willimantic, Connecticut; Bristol, and Pawtucket, Rhode Island; and Auburn, Cortland, Fulton, Johnstown, Middletown, New Rochelle, Olean, and Port Jervis, New York, in accordance with the specifications, copies of which as well as copies of approach plans of the several buildings, may be had upon application to the respective Custodians of the buildings, or at this office. Make application only for the specification and drawing for the buildings for which you intend to submit proposals. JAS. A. WETMORE, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 28, 1916.—SEALED PROPOSALS will be received in this office until 10 A. M., February 18, 1916, and then opened, for planting trees, shrubs, etc., on the grounds of the Federal Buildings at Abilene, Beloit, Clay Center, Coffeyville, Concordia, Independence, Ottawa, Parsons and Wellington, Kansas; Boonville, Brookfield, Cape Girardeau, Carrollton, Chillicothe, Clarksville, Marshall, Maryville, Mexico, Poplar Bluff, Rolla and Warrensburg, Missouri; Roswell, New Mexico; Clarinda, Davenport, Denison, Iowa Falls, Perry and Red Oak, Iowa; and Beatrice and Holdrege, Nebraska, in accordance with the specifications, copies of which as well as copies of approach plans of the several buildings may be had upon application to the respective Custodians of the buildings, or at this office. Make application only for the specification and drawing for the buildings for which you intend to submit proposals. JAS. A. WETMORE, Acting Supervising Architect.

## THE NUT-GROWER

The unique monthly publication which furnishes reliable and interesting up-to-date information regarding the value of pecans and other edible nuts and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

## THE NUT-GROWER

No. 2 Francis St.

WAYCROSS, GA.

In writing to Advertisers kindly mention Horticulture

**WANTS, FOR SALE, ETC.**

Advertisements in this column one cent a word. Initials count as no words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 147 Summer St., Boston.

**HELP WANTED**

WANTED—An experienced nurseryman for New England territory. One who understands propagating, has good record and is not afraid of work. Get good position. "F. A." care HORTICULTURE.

WANTED—Experienced foreman for general landscape work with knowledge of highway, city and suburban material, road building, grading, etc. Address "R." care HORTICULTURE.

WANTED—First-class, experienced salesman in large wholesale cut flower establishment. "S." care of HORTICULTURE.

WANTED—Bright, intelligent, faithful salesman in Metropolitan flower store. "N." care of HORTICULTURE.

**SITUATIONS WANTED**

GARDENER FARMER SUPERINTENDENT. I have been in the business for 10 years. I can take care of all kinds of fruit, flowers, farm crops, and live stock: first class credentials, Scotch, married, 22 years old. Address "A. L. MARSHALL," care HORTICULTURE, New York.

SITUATION WANTED As head gardener in large estate. I have been in the business for 10 years. I can take care of all kinds of fruit, flowers, farm crops, and live stock: first class credentials, Scotch, married, 22 years old. Address "A. L. MARSHALL," care HORTICULTURE, New York.

WANTED Position as decorator and salesman in first-class retail flower store. Boston and New York references. Address G., care HORTICULTURE.

**BUSINESS OPPORTUNITIES**

THERE'S a good home on the Main Line suburban Philadelphia for a live wire raising and selling flowers. Near station. Two acres, worth \$3000 an acre. Five glass houses (one of them cost \$2000 two years ago), stable, outhouses, horses, wagons and other appurtenances. Also the good-will of a business running successfully for 20 years. In all, counting the site, value 10—the horses, wagons and things, 5—the good-will, 5. I should say \$20,000 the real value. I believe you could buy it for much less right now. Reason: the owner is in bad health and would like to see some live young one take a hold of it even if owner has to give him a bargain. I know something about the business myself—and this is no fake. I think it is a splendid chance for a young man with a little backing. It isn't a case of all cash, so long as the backing is good the rest can be arranged. Address G. C. W., care Pennock Meehan Co., 1614 Ludlow street.

**FOR SALE**

FOR SALE—Fresh from factory, new, 14 x 12, 16 x 15, 16 x 24, double thick. A and B quantities. Market dropped. Now is the time to buy and save money. PARSHELSKY BROS., INC., 215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE—An old established and good paying florist business in Montreal. Small capital required. This is a snap for a quick buyer. Address "M. A. B." care of HORTICULTURE.

FOR SALE—Modern Greenhouse Plant, dress E. A. CHURCHILL, 41 Royal St.,

**MISCELLANEOUS**

WANTED—A good greenhouse with 3 rows of D. T. Glass. Must be in No. 1 condition, within 300 miles. Give full description. C. A. PERLEY, Winthrop, Me.

**Obituary**

Mrs. Julia A. Shea.

Mrs. Julia A. widow of Daniel C. Shea, died on January 30 in Jamaica Plain, Mass., aged 95 years. Mrs. Shea was the mother of James B. Shea, Deputy Park Commissioner of Boston who is well known and well beloved among the entire gardening fraternity all of whom will unite with HORTICULTURE in extending to their friend sincere condolence and sympathy with him in the great bereavement which has come to him, his brother Jerry, nurseryman, and their family.

Thomas Clark

The death of Thomas Clark occurred suddenly at his home in Pacific Grove, California on Tuesday, January 25th. Mr. Clark was a native of Scotland, coming to this country in his youth. For many years he managed the country estate of John W. Brooks



THOMAS CLARK

in Milton, Massachusetts. About twenty years ago he left Milton and went to Montana where he became interested in ranching for a few years. Then he moved to California where he was very successful in the mining business. Several years ago Mr. Clark's health became so poor that it was necessary for him to retire from active business. During these past few years he has lived in Pacific Grove, devoting his time to his flowers. Mr. Clark leaves a wife, two sons and a daughter besides a host of friends not only in California but among the gardeners and florists around Boston, with whom he was so long and intimately associated.

William H. Ferguson.

William H. Ferguson, an old and well-known retail florist of Philadelphia, passed away on January 28, aged 69 years. He hailed originally from the Kensington district but was established as a retailer at 12th and Spring Garden streets for over thirty years. He did not take an active part in club or society affairs and was not well known in the trade outside of those with whom he did business. His son

has been associated with him in the business for the past ten years and continues the same.

Mrs. Alexander Waldbart.

Alexander Waldbart, of St. Louis, has suffered bereavement in the death of his wife, Mrs. Emile S. Waldbart, who passed away on January 26th. The funeral took place from her late residence, 5859 Etzel avenue, on Saturday, January 29th, and many in the trade attended the services at St. Rose's church, then to Calvary cemetery. She is survived by her husband and five children.

**NEW FLOWER STORES.**

Petersburg, Ill.—Salverson's Flower Store.

Salem, N. J.—H. E. West, Patterson Bldg.

Buffalo, N. Y.—S. J. Rebstock, Grant street.

Clarksville, Tenn.—John Tarpley, Daniel Bldg.

Lawrence, Mass.—A. H. Wagland, 454 Essex street.

Kansas City, Mo.—Gilday & Skidmore, East 11th street.

San Francisco, Cal.—Harris & Cole, Bush and Octavia streets.

West Hoboken, N. J.—Rosery Flower Shop, 23 Summit avenue.

Logan, U.—Cache Valley Floral Co., removing to 31 Federal avenue.

New York, N. Y.—John G. Carlaties, Tremont avenue and Southern Blvd., near 177th street, Bronx.

Chicago, Ill.—Eighteenth St. Florist, 659 W. 18th street, J. S. Shermiot and A. Andryanskis, proprietors.

**PERSONAL.**

J. Otto Thilow and Henry F. Michell of Philadelphia are taking a brief vacation in southern waters.

David Weir, former gardener on the Brandegee estate, Boston, started via the Clyde Line on February 4, for a two months' tour of the Florida winter resorts.

N. Zweifel, G. Pohl, W. R. Schroeder and H. Hunkel of the Milwaukee delegation to the Carnation Society meeting visited florists and points of interest in Cincinnati on their way home from St. Louis.

The Pacific Garden, heretofore published by the Pasadena Horticultural Society, with P. D. Barnhart as editor, has been purchased by The Kruckeberg, Los Angeles, Cal., Press, who will publish it hereafter under the title of Suburban California, carrying the former name as a sub-title. HORTICULTURE's best wishes to the new management.

Horticulture Publishing Company:

Gentlemen—I think much of this paper because it brings the near price of the flower market reports. I wish you a big success.

N. Y.

F. V.

## USED BY FLORISTS OVER 30 YEARS



PAN-PACIFIC PRESS ASSOCIATION, LTD.

San Francisco, Calif.

October 16, 1915.

Mr. Benjamin Hammond, Beacon, N. Y.

Dear Sir: The Horticulture Jury, of which the writer was a member, awarded you a Gold Medal for your Insecticides, and when you take into consideration the fact that that Jury, outside of the writer, was composed of some of the famous experts of the world, you will realize the importance of this award. Verification of this may be obtained from Mr. George A. Dennison, Chief of Horticulture, Panama-Pacific International Exposition.

The writer has been requested to furnish a list of the articles which the Jury endorsed by their action in awarding prizes because of merit. This request comes from representatives of foreign countries and states.

Respectfully yours,

Signed: J. A. BUCHANAN, Gen. Mgr.

Pan-Pacific Press Association.

PANAMA-PACIFIC INTERNATIONAL EXPOSITION

San Francisco, Calif.

Division of Exhibits

Office of the Chief

DEPARTMENT OF HORTICULTURE

November 3, 1915.

Mr. Benjamin Hammond, Beacon, N. Y.

Dear Sir: Replying to your letter of October 28th, I wish to say that the Jury awarded Slug Shot, Grape Dust and Copper Solution a Gold Medal.

Yours very truly,

Signed: G. A. DENNISON,  
Chief of Horticulture.

## Sold by the Supply Houses of America

**BENJAMIN HAMMOND, BEACON, N. Y.**

## Flower Market Reports

(Continued from page 187)

### WASHINGTON

Some of the wholesalers and growers last week found themselves in a somewhat embarrassing position when unable to fill all orders which came to them by reason of a heavy shortage in a number of lines. There are hardly enough American Beauty roses to go around. Lilies are almost unobtainable and there are very few gardenias to be had. The sudden change in the temperature which followed brought out the carnations in large quantities and the price fell to as low as \$2 per hundred. Violets are so plentiful that the supply is measured by the ability of the gatherers to pick and bunch them. Double violets are practically off the market

here. Roses, tulips, jonquils and other flowers were complained of as being soft. There was little call for lily of the valley and the market was soon glutted, in marked contrast with the previous heavy shortage. Freesia is in much heavier supply and the price has gone down. Mignonette is good and in fair demand. Sweet peas are as fine as have ever been seen here and are selling well.

### MASSACHUSETTS AGRICULTURAL COLLEGE NOTES.

The Sinclair range at Smith's Ferry was visited by the short course students last Saturday.

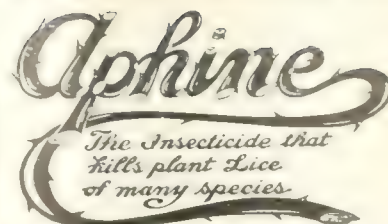
Miss Davis, in charge of the landscape and floriculture classes at Wellesley College, was a visitor at the college greenhouses this week.

The enrollment of the short course students in floriculture is eighteen. Most of the short course men have come here from practical work in retail stores and greenhouses.

The students in Conservatory Plants will be required to know and be able to identify some 250 species and genera of decorative plants as a part of the final examination in the course.

### PUBLICATIONS RECEIVED.

Two bulletins of timely interest and value have just been sent out by the Office of Information at the U. S. Dept. of Agriculture. One is on the Control of Amping Off in young coniferous seedlings. This is one of the worst enemies of the nurseryman and it is encouraging to learn through this bulletin that it is possible to successfully



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$2.50.

### FUNGICINE

An infallible spray remedy for rose mildew, carnation and chrysanthemum rust.

Quart, 75c.; Gallon, \$2.00.

### VERMINE

A soil sterilizer for cut, eel, wire and angle worms.

Quart, \$1.00; Gallon, \$3.00.

### SCALINE

For San Jose and various scale on trees and hardy stock.

Quart, 75c.; Gallon, \$1.50.

### NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

Quart, \$1.50; Gallon, \$4.50.

If you cannot obtain our products from your local dealer, send us your order and we will ship immediately through our nearest agent.

**Aphine Manufacturing Co.**  
MADISON, N. J.

GEO. A. BURNISTON  
President

M. C. EBEL  
Treasurer

combat it by means of soil disinfection. The other bulletin is on the prevention of Watermelon Anthracnose by spraying with Bordeaux mixture.

### CATALOGUE RECEIVED.

B. Hammond Tracy, Wenham, Mass. —Cedar Acres Gladioli. An attractive pocket size illustrated booklet with cover in colors.



Unequalled for Greenhouse and Landscape Fertilizing

**THE PULVERIZED MANURE CO.**

31 Union Stock Yards, Chicago

**"Orchard Success"**

is a small pamphlet of 16 pages, which should send for at once. It tells you how to grow orchards quickly and cheaply, and how to protect them from all scale, larva, and other pests. It is guaranteed to reach you in 10 days, and if it does not reach you, you will get a refund. One barrel of sulphur and there is no pay for it.

**Our Free Service Department**

is for your special benefit. It is a free service department for orchard and garden trees. Write to B. G. Pratt Co., Dept. 12, 50 Church St., N. Y.



### NIKOTEEN

For Spraying

**APHIS PUNK**

For Fumigating

Ask Your Dealer For It.

**NICOTINE MFG. CO.**  
ST. LOUIS

Est. 1765

Pot Makers for a  
Century and a Half**HEWS****STRONG  
RED  
POROUS****POTS**

Inc. 1904

World's Largest  
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.  
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue  
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:  
CAMBRIDGE, MASS.  
NEW YORK, N. Y.**DREER'S "Riverton Special" Plant Tubs**

No.	Diam.	Ea.	Doz.	100
10	20 in.	\$1.45	\$16.00	\$160.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.85	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

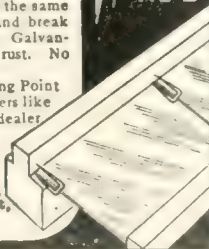
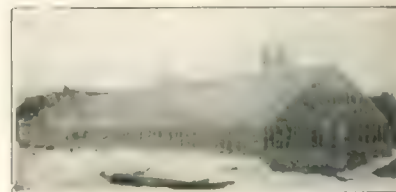
**HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa.****KING**The name that assures "the  
most for the money" in**GREENHOUSES**Write for Bulletin No. 47  
and you will see why.**KING CONSTRUCTION CO.**  
28 King's Road, N. Tonawanda, N. Y.

TRADE

**SKINNER  
SYSTEM**  
OF IRRIGATION.

MARK.

Florists ask for information regarding our New Greenhouses Nozzle. Greater spread, which means less pipe.

**THE SKINNER IRRIGATION COMPANY**  
33 Station St. Brookline, Mass.**GREENHOUSES BUILDING OR CON-  
TEMPLATED.**Mt. Joy, Pa.—E. H. Zercher, house  
10x84.West Hoboken, N. J.—John Birnie,  
house 28x135.Minneapolis, Minn.—O. H. Carlson,  
range of houses.Portland, Ore.—Al Henneman, Bybee  
street, one house.Milwaukee, Wis.—Cudahy Floral Co.,  
three houses each 30x165.Buffalo, N. Y.—Mrs. Porter Norton,  
Gates Circle, two houses.Rock Island, Ill.—Ludwig Stapp,  
three Moninger houses each 34x300.Toledo, O.—Harry Hehl and Frank  
Schramm, contemplating new con-  
struction.Chicago, Ill.—Marks Bros., Cicero  
avenue and Waveland, three houses in  
spring.**GLASS****Greenhouse Material  
Hot Bed Sashes**Our prices can be had by mail, and  
it will pay you to get them. We carry  
the largest stock of Specially Selected  
Glass in Greater New York and can  
supply any quantity from a box to a  
car load on a one day notice, and at  
Rock Bottom Prices.**PARSHELSKY BROS. Inc.**  
215-217 Havemeyer St., Brooklyn, N. Y.**Dreer's Peerless  
Glazing Points  
For Greenhouses**Drive easy and true, because  
both bevels are on the same  
side. Can't twist and break  
the glass in driving. Galvan-  
ized and will not rust. No  
rights or lefts.The Peerless Glazing Point  
is patented. No others like  
it. Order from your dealer  
or direct from us.1000, 75c. postpaid.  
Samples free.  
**HENRY A. DREER,**  
714 Chestnut Street,  
Philadelphia.**FULL  
SIZE  
No 2**Spring Valley, N. Y.—A. S. Burns,  
Jr., two houses, each 70 x 400, to cost  
\$40,000. Lord & Burnham Co., con-  
tract.Newark, N. J.—Claiming that he lost  
his entire greenhouse crop of straw-  
berries, rhubarb and asparagus  
through the removal, at the request of  
the town of Irvington, of his green-  
houses at Union and Chancellor ave-  
nues, Frank W. Van Emburgh filed a  
suit for \$2,000 damages against the  
municipality. According to the com-  
plaint, Van Emburgh leased the green-  
house property of his father, May 28,  
1913. It is alleged that, although the  
town paid damages to the lessor, it  
failed to consider the alleged loss sus-  
tained by the lessee. Van Emburgh  
says he received word April 7, 1915, to  
remove the greenhouses to make way  
for improvements being made by the  
municipality.*This picture was taken right after a  
blizzard, and proves conclusively that  
our style of construction is positively  
ice-clearing.*This full iron frame, curved eave  
**JACOBS' GREENHOUSE**, was com-  
pletely erected, including ventilation  
and heating system, by our own ex-  
pert mechanics, for Mr. Chas. Bradley  
at Convent, New Jersey.This greenhouse is 25 x 85 ft., and has  
a partition in the middle, making two  
distinct and separate compartments,  
with separate heating systems, so that  
different temperatures may be main-  
tained in both sections.**WE KNOW WHAT TO DO  
AND WHAT NOT TO DO**If you contemplate building a  
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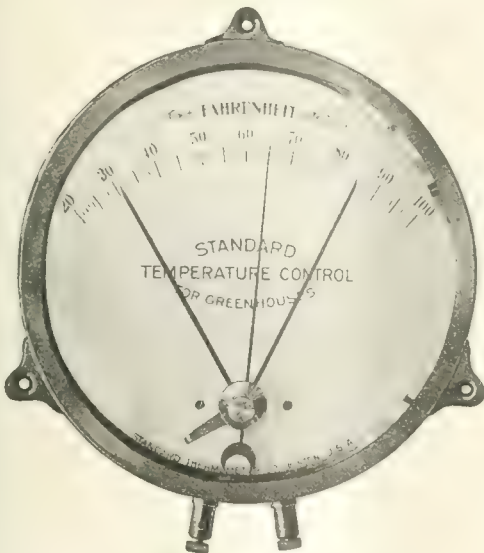
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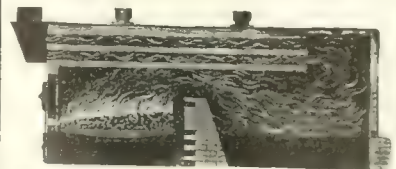
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No. 7  
FEB. 12  
1916

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A Rock Pool

In Mr. Geo. B. Dorr's Garden at Bar Harbor, Me.

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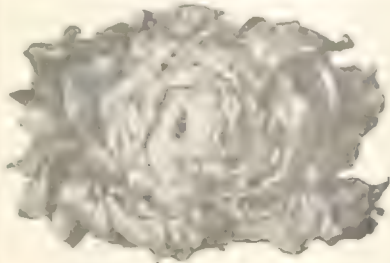
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The most wonderful Lettuce produced in the whole world during the past one hundred years. Excels all others on the market as a shipping, as a keeper, in quality, in sweetness, in flavor, in color, in profits, in reliability, in hardiness. Produces the best early heads, true heads, sure heads, solid heads, compact heads, tender heads, globular heads, firm heads, uniform heads



LONG LOST LETTUCE  
The Jewel Recovered

On June 8, 1915, Mr. Carl Hoffacker, of Union Co., N. J., writes: "I have been growing your 'Long Lost' Lettuce for some time and it is the best I have ever seen. It is very hardy, and the heads are very uniform."

On June 10, 1915, Mr. A. E. Stoltz, of Tama Co., Iowa, writes: "In a trial of your 'Long Lost' Lettuce, I found it to be the most uniform."

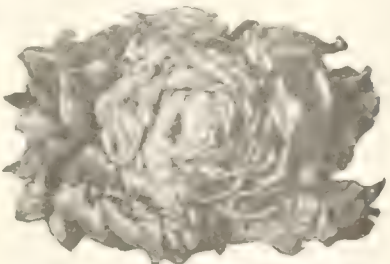
On June 12, 1915, Mr. John J. Suckles, of Monmouth Co., N. J., writes: "Your 'Long Lost' Lettuce is the best I have ever seen. It is very hardy, and the heads are very uniform. I have refused to take one dollar a head for it."

On June 17, 1915, Mr. Henry Tubbs, of New Haven Co., Conn., writes: "Your 'Long Lost' Lettuce is all O. K. I have never seen anything like it."

On June 18, 1915, Messrs. Gibney Bros., of Marion Co., Mo., writes: "We have been growing your 'Long Lost' Lettuce plants. They grew fine and made a fine lot of heads, very large and uniform. We will try it again this fall."

On June 19, 1915, Mr. Wm. B. Hill, of Clermont Co., Ohio, writes: "I gave your 'Long Lost' Lettuce seed an outdoor test and must say it is fine. Can't say enough for it. It is the best I have ever seen. Finest flavored, better than I ever ate. All who have eaten it pronounced it fine. Will give it a better trial next year. Will get it out earlier."

On June 20, 1915, Mr. George E. Bradley, of Arundel Co., Maine, writes: "I have been growing your 'Long Lost' Lettuce for some time and it is the best I have ever had any Lettuce do, both in greenhouse and garden."



LONG LOST LETTUCE  
The Jewel Recovered

As a splendid shipper, 'Long Lost' Lettuce is the best of its kind.

As we started with less than an ounce of seed, you can quickly realize the value of this seed.

We, therefore, urge you to send us your orders immediately if you want to get the best of the seed.

The famous Tomato grower, John Baer, writes: "Long Lost Lettuce is the very best Lettuce the market gardeners ever knew. There has never been any Lettuce equal to it, for it is something extra good."

On June 21, 1915, Mr. I. R. Schnebly, of Grundy Co., Iowa, writes: "The 'Long Lost' Lettuce seed grew fine. It is very hardy, and the heads are very uniform, excellent flavor, and the most uniform of any Lettuce I have ever seen."

On June 20, 1915, Mr. Ben H. Keady, of Cecil Co., Md., writes: "I received an order of 'Long Lost' Lettuce seed from you early in the Spring and it has proven to be the most wonderful Lettuce I have ever grown."

On June 24, 1915, Mr. G. Ralph Laighton, of Rockingham Co., N. H., writes: "I take pleasure in saying that your 'Long Lost' Lettuce has done splendidly with me this season. The heads were very large, solid and crisp, and the flavor excellent. I have another crop of 'Long Lost' Lettuce that will be maturing soon and have also sown seed for a late crop. I shall continue cultivation of the 'Long Lost'."

On June 7, 1915, Mr. S. W. Carman, of Lancaster Co., Pa., writes: "In regard to your 'Long Lost' Lettuce, it is the best I have ever seen. It beats any I ever had in quantity and nice, tender heads. Flavor can't be beat."

On June 19, 1915, Messrs. Vogt Bros., of Baltimore Co., Md., wrote: "The 'Long Lost' Lettuce is the very best heading Lettuce we have ever raised and will stand the heat, as heads will burst open before going to seed. We do not want anything any better."

On June 15, 1915, Mr. Wm. Horner, of Baltimore Co., Md., writes: "The 'Long Lost' Lettuce which I purchased from you early this Spring is all that it is claimed by your firm. I like it so well I purchased some more. I certainly recommend it to market gardeners."

On June 19, 1915, Mr. Cris Gebb, of Baltimore Co., Md., writes: "The 'Long Lost' Lettuce turned out for me just as it is advertised. I want no better."

On Aug. 9, 1915, Mr. Henry Seymour, of Vanderburg Co., Ind., writes: "I have words of praise for your 'Long Lost' Lettuce. First, it stands drought better than any other kind. Second, it matures quicker than any Lettuce I know of. Third, it is tender, crisp and of a very fine flavor."

On June 14, 1915, Mr. John Trahandt, Wholesale Market Gardener, of Baltimore Co., Md., writes: "Bolignano's 'Long Lost' Lettuce is without doubt the best Lettuce I have ever raised."



## PRICES "LONG LOST" LETTUCE.

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showing the wonderful "JOHN BAER" TOMATO and color, and giving numerous lettings containing 80 pages

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ALMOST 100 YEARS

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GARDEN AND FLOWER SEED

## QUALITY.

Earliest and best in 28 varieties; brilliant, deep red color; smoothest; no core; almost free from seed; delicious flavored; far more solid and meaty than any other; no cankers; ripens even up to the stem; perfect beauties; uniform in size and ripening; picks two to one to any other variety; from 105 to 122 perfect fruit to the vine; a perfect shipper; blight proof.

# "John Baer" Tomato

Pkts. 25c. & 50c., 1 oz. \$1.50, 2 oz. \$2.50, ¼ lb. \$4.50, ½ lb. \$8.00  
lb. \$15.00, 2 lbs. \$25.00. ⅓ off to the trade

## EARLINESS.

Ten days earlier than Earliest in Canada; the earliest Tomato in New Jersey; 10 days earlier than Earliest in Florida; planted six weeks later but same best in Texas; 10 days earlier than Earliest of any in Virginia; 10 days earlier than Earliest of any in New York; 10 days earlier than Earliest of any in Washington; 2 weeks ahead of any in Maryland; set out May 30, picked ripe fruit June 17, in New York.

After having been successfully grown by the leading florists, market gardeners, truckers and farmers in every tomato growing State in the United States, Canada, Mexico, Cuba and many of the European countries, it is pronounced by all to be  
**THE EARLIEST AND BEST TOMATO ON EARTH.**



Produces perfect, solid, high crown, beautiful, brilliant, deep red shipping tomatoes in 30 days, from large, strong, well matured plants in veneer bands, with roots undisturbed.

## JOHN BAER—HIMSELF

Gives a Friendly but Earnest Notice to His Friends and Fellow Market Gardeners.

Baltimore Co., Md., Jan 1, 1916.

I hereby inform my Many Friends, the Market Gardeners, Canners and the Public in General, I have placed my entire 1916 supply of "John Baer" Tomato Seed, which I personally grew and selected, with J. Bolgiano & Son, of Baltimore, Md. Any seed offered by any other source is not my production, and I cannot feel morally responsible for the results it may produce.

I have given this Tomato my greatest care and attention for many years, and take pride in seeing that my Fellow Market Gardeners are getting only seed that truly represents the result of my lifework.

(Signed) JOHN BAER.

Fifty to 100 fruit to each plant. Ripens evenly, right up to the stem.

24 fruit exactly fill a six quart basket.

Each beautiful "John Baer" Tomato weighs about 6½ ounces.

Mild, deliciously sweet flavor. The finest flavor you have ever tasted.

Most perfect High Crown Tomatoes ever grown, entirely free from core.

Just enough foliage—will stand plenty of fruiting without getting vine. Set plants 3x3½ feet.

Almost seedless; it requires 6 to 8 bushels of "John Baer" Tomatoes to make one pound of seed.

No cripples, no scalds, no blight, no cracked, no wrinkled, no one-sided, uneven, scarred fruit. When dead ripe will not burst.

The "John Baer" Tomato is the result of fifteen generations of the proven and selected material, grown under the same conditions, and shipped in perfect condition.

Palmira, N. J., June 19, 1915.

Messrs. J. Bolgiano & Son.

Dear Sirs:—Last winter I ordered your store and bought some "John Baer" Tomato seed. On Thursday, the 17th of June, I received a packet of the seed. I immediately planted them in the open field April the 21st. If we had not so much cold and cloudy weather in May I could have planted them earlier. They are far ahead. Yours very truly,

(Signed) PENNEL COOPER



JOHN BAER TOMATO

The Earliest and Best Tomato on Earth

From Market Growers' Journal of Louisville, Kentucky, Sept. 1, 1915

"John Baer" has withstood the rigors of this season the best of all the varieties we have, which include also Bonny Best, Earlibell and June Pink. The excessive rains of the last four weeks have caused our entire plantation to become affected with the oedema. The "John Baer," however, does not seem to suffer from it, as a very much smaller proportion of its foliage dies than with the other varieties. "John Baer" is a very good variety for heavy soils."—Maplehurst Gardens, Southern Michigan.

G. BRUNNER'S SONS, FLORISTS  
Cincinnati, Ohio, Feb. 7th, 1915

J. Bolgiano & Son.

Gentlemen: Out of 50 "John Baer" plants I picked on an average of a half bushel every other day, when on my other plants I did not average a small measure a day. By me "John Baer" is more than you claimed for it in your ad. last year.



JOHN BAER TOMATO

The Earliest and Best Tomato on Earth

## PRICES "JOHN BAER" TOMATO.

Original Seed Only

Pkts. 25c and 50c., 1 oz. \$1.50, 2 oz. \$2.50, ¼ lb. \$4.50, ½ lb. \$8.00, lb. \$15.00, 2 lbs. \$25.00. All postpaid. 1-3 off to the trade.

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testimony as to their merits, besides  
constructive garden news

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TRUSTWORTHY SEEDS

**BALTIMORE, MD., U. S. A.**

Originator's seed is scarce this year; demand is heavy.  
We urgently advise you to order at once to be sure  
of obtaining your supply of this wonderful Tomato

# KING HUMBERT CANNAS

The best Bronze Leaf Orange Scarlet, 30c doz.,  
\$2 per 100; \$4.38 per case of 250;  
\$17.50 per 1000

## RED FLOWERING

## GREEN FOLIAGE

## RED GOLD-EDGE VARIETIES

	Per 100	Case of 250	1000
A. Bannister, 4 ft. yellow crimson	\$1.65	\$8.75	\$15.00
C. Henderson, 4 ft. yellow crimson	1.65	8.75	15.00
Cherubim, 4 ft. yellow crimson	1.50	8.00	14.00
Duke of Marlboro, 4 ft. yellow crimson	1.50	8.00	14.00
Mephisto, 4 ft. yellow crimson	1.50	8.00	14.00
Pennsylvania, 4 ft. deep orange scarlet	1.50	8.00	14.00

	Per 100	Case of 250	1000
General Market, 4 ft. best scarlet gold	\$1.65	\$8.75	\$15.00
Gladitorial, 4 ft. red gold edge	1.25	6.25	25.00
Jean Fisset, 4 ft. red gold edge	1.25	6.25	25.00
Mar. Crozy, 4 ft. red gold edge	1.25	6.25	25.00
Queen Charlotte, 4 ft. scarlet gold edge	1.25	6.25	25.00
Sony, de A. Crozy, 4 ft. crimson gold edge	1.25	6.25	25.00

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	Per 100	Case of 250	1000
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Austria, 4 ft. pale yellow	1.50	8.50	14.00

## PINK FLOWERING CANNAS

	Per 100	Case of 250	1000
Hungary, 4 ft. salmon pink	\$8.75	\$8.75	\$15.00
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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—Pope.

## Euphorbia fulgens

By heading back these plants now and giving them a temperature of 65 degrees at night they will soon break into young growth that will make fine cuttings. Of more importance than anything else is an even temperature of about 78 to 80 degrees of bottom heat and clean rather sharp sand. With such bottom heat, watering must be closely attended to so as to keep the sand constantly moist. During this stage they will want careful watering and shading. When they have made roots of about half an inch they should be potted in a compost of two parts fibrous loam, one part leaf mold, one part well decayed cow manure and a little sand. Keep shaded until they have taken root. Give them a warm and rather moist situation that never goes lower than 60 degrees at night, but 65 degrees would be better. If kept near the glass they will make better and more stocky growth.

## Dracaenas

Leggy plants can be utilized by mossing the tops and using the canes. Cut the stem about half through just below the leaves and place something between to keep the cut open. Place a small handful of wet moss around the cut and secure by a few twists of raffia. Keep the moss constantly wet and when white roots are seen pushing through, the stem may be severed beneath and the moss and roots are buried to the lowest leaf in a well drained pot of soil. The canes can be sawed up into pieces containing one eye and split each section down the middle. Every section split or unsplit forms a new plant. Place these in a compost of equal parts of loam, leaf mold and coarse sand, and then sprinkle a layer of sand over all. Place in a propagating case and in a very short time, provided plenty of heat and water are given, they will show roots and growth.

## Gardenias

If you have plants in the benches at this time with a full promise of a good crop, be sure to maintain a temperature of 65 degrees at night with little or no deviation either way. This means everything in the perfecting of gardenia blooms. While there are occasional periods of glut even at this season, prices of the blooms as a rule hold up well and those who are able to make gardenias bear freely during the coldest months will find them a paying crop. You can begin to feed with liquid manure water now as the days are becoming longer. Be very careful when ventilating as

they do not like cold drafts. Give a good syringing on all bright mornings. Water should pass quickly through the benches. A fairly moist atmosphere is indispensable as the dense foliage takes a lot of moisture out of the air so damp down two or three times during bright days. Those who would succeed with gardenias in winter must watch them carefully.

## Sowing Smilax

Do not fail to sow smilax this month, as they will take all their time to grow into nice 4-inch stock by June. For the starting of the seed any good grade of sand soil that is fairly open will do. Keep the flats or pans covered with a piece of glass until the seeds have germinated. For rapid germination a steady heat and moisture are needed. A temperature of from 60 to 65 degrees will be right. Keep shaded until they begin to appear when they should be given the sunniest bench you have, well up to the glass. Transplant when they have made their third pair of leaves, into 2-inch pots, using a friable sandy and moderately enriched soil. Towards spring they will need another shift into 3-inch pots. About the middle of April they should be ready for a 4-inch pot. Keep them growing along without any check.

## Timely Seed Sowing

Many of us do not sow our seed early enough. Perennials, such as coreopsis, dianthus, delphiniums, gailardias, gypsophila, iberis, incarvillea, lavendula, lobelia, lychnis, pentstemon, etc., all greenhouse seeds as asparagus, gloxinias, begonias, dracaenas, smilax and others, and annuals such as ageratum, asters for early flowering inside, bedding centaurea, dahlias, heliotrope, pansies, petunias and vincas should now be started. Select for this purpose a bench with bottom heat to set the flats on. These can all be sown in flats or pans, provided with proper drainage, and a compost of new loam, leaf mold and sand in equal parts. After sowing, press all down firmly and water with a fine rose. For a top covering, after the boxes are placed side by side, paper will answer very well. Give a temperature of about 60 degrees, with bottom heat a few degrees higher.

## Salvias

Stock plants of salvias can be worked up for a time batch of plants by planting out time. Place them in a temperature of about 60 degrees at night with 10 to 15 degrees higher with sunshine. Seed may also be sown about the end of this month. Salvias want plenty of sun and not more than 60 degrees at night.

Next Week: A. C. B. S. AMERILLIS, ORCHIDS, SCHIZANTHUS, SEEDS FOR NEXT CULTURE, SOWING MORE.

BOOM YOUR BUSINESS  
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**Horticulture**

Publicity among the kind of readers reached  
by this paper is THE SORT OF PUBLICITY  
THAT PAYS.

## Armeria

The present craze for Armeria in rock gardening is one of the most gratifying facts of our time. The "rockery" as a meaningless stone pile frequently consisting of a heap of soil bristling with small projecting rocks being here a matter of the past a better understanding of the possibilities will gradually take place. We shall sooner or later see rock garden building develop to a distinct branch of the art of landscape gardening. The rockeries of the near future will not only offer the best opportunity to indulge in the enjoyment of ever changing effects, nay, the nature and character of modern constructions and the enlightened owners will emphatically demand the employment of an extensive variety. Fortunately the material at our disposal is rich both in highly effective and, as a rule, extraordinarily hardy plant genus and species of great diversity.

Armeria, a genus of the order Plantaginaceae, commonly called Sea-pink or Thrift, consists of a number of useful rock garden inmates of long standing. The nomenclature of species in standard works is in a chaotic state and as many of species merely differ under the

filling the pockets of the sunny locations of rockeries and dry walls. They also prove effective when employed for edging of borders in herbaceous gardens.

Armerias may be raised from seed sown in cold frames early in spring or propagated by divisions. Seedlings flower the second year. Plantations should be made in light sandy soil rich in humus. Do not forget a light leaf covering for winter protection.

Glenside, Pa.

Richard Rolhe

## Achilleas

Among the best and most reliable of hardy perennials is the Achillea. Among the better known varieties which grow in our gardens are the following:

*A. filipendula* (syn. *A. Eupatorium*). Flowers yellow borne in corymbs often five inches across, blooming from June to September. It attains a height of four to five feet and will need staking.

*A. lanata*, hardy, attaining a height of 3 to 4 feet, Flowers dull white in July till the end of September.

*A. millefolium* (white) and varieties roseum and



ARMERIA MARITIMA SPLENDENS

microscope of the botanist our interest is best limited to the few distinct forms we are familiar with. *Armeria cephalotes*, valuable on account of its late flowering, may be found listed as *A. formosa*, *latifolia*, *mauretanica* and *pseudo-armeria*. The round headed blossoms of the true *cephalotes* appear in early autumn and are of a deep rosy crimson. The species *Armeria plantaginea*, going also under the names *leucantha* and *scorzoneraefolia*, is at its best during June and July. Its blossoms are rosy red and those of the variety *alba* are white.

Best known to most of us is the common *Armeria vulgaris*, growing wild along the coast lines of Great Britain and also abounding on rather dry open sunny plains of Central Europe. Its synonyms are *A. elongata*, *maritima* and *Stative Armeria*. The garden forms of it listed in American catalogues under *Armeria maritima splendens*, *splendens alba* and *Lauchiana*, remain the most desirable for American rockeries. The flower heads of *maritima splendens*, the subject of our illustration, appear in rosy pink or in white, while those of *Lauchiana* are of a bright red color. Their very resistant tufted foliage covering the ground densely and their decidedly handsome blossoms borne on thin wiry stems make the cultivated thrifts an ideal material for

*rubra*. Plants 1 to 3 feet in height and flowering from June to October.

The well known *A. Ptarmica* and its varieties, especially "The Pearl" need little if any introduction. The flowers are white and double and are among the best known whites for cutting. The height is from 12 to 18 inches and they bloom nearly all summer. They require a rather rich soil for best results.

Among the varieties seldom seen in catalogues is *A. sibirica* "Blush," a perennial attaining a height of 3 feet with pinkish-lilac flowers, July and August.

For rock garden work the species *A. Clavennae* should appeal to many. It is not particularly dwarf, attaining ten inches, but produces fine white flowers in spring and summer, thriving well in a sandy soil.

All of the Achilleas are of easy culture and require, except in very few cases, an ordinary well drained garden soil in a sunny or half sunny situation. Propagation is effected by seed, cuttings or division in spring of which the latter is the usual and best method.

Hubert M. Canning

# ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur Ruzicka*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

## Clear, Cold Weather

After quite a cloudy spell the weather is clear once more for which we are grateful even though it should come off very cold, making big holes into the coal bin. As soon as the plants are hardened off a little, get right after the spider by syringing all the houses thoroughly, especially those from which wood is to be taken for propagation. Syringe as rapidly as possible, as there is nothing to gain by drenching the plants from top to bottom. Good pressure should be used, and care taken not to tear the leaves. If possible fumigate the houses the night before, and the syringing will do away with a great many greenfly which would otherwise come back to life. Among these are a good many of the old ones which are very hard to kill, but if they are thoroughly sick from nicotine the water will do the rest.

## Temperature

Do not let the temperature drop too low right after the warm spell. 62 the first night will be about right, with 60 or 58 the next night if the weather turns out to be very severe. 72 will be plenty on the first day or two, not raising the houses to 76 or 78 until the third clear day. This will harden the plants very nicely, and will not be too sudden a change for them.

## Sulphur on the Pipes

After the warm weather it is best to watch out for sulphur fumes in the houses. There may have been more sulphur applied than was customary for the low pressure in the pipes made it evaporate very slowly. Now, with the pipes quite hot, the sulphur will evaporate rapidly and if there is too much of it the fumes will become strong enough to do harm. This is all the more possible in tight houses and if there is a good deal of sulphur on the pipes, it is best to go around and brush some of it off or else turn the heat into other pipes which have not been coated with sulphur. As soon as the fumes disappear the heat can again be turned into the sulphur pipes, turning it off again as soon as the fumes are becoming strong. This will kill all traces of mildew that may have worked in during the warm cloudy weather and with a good syringing the plants should be clean.

## Feeding

Houses that are growing very rapidly and have had the feed held away because of cloudy weather, will do better if they get their regular feeding as soon as the plants are hardened a bit and the weather settles to clear and cold. Liquid manure will be used a good deal from now on as it is very good and about as cheap as

anything that can be purchased. It can be made as rich as the pumps will take it, being careful to have it well strained so as to have no straw and other coarse materials to stop up the pipes and cut up all the washers in the faucets. Be sure that the plants are wet enough when applying the liquid. It is better to water with clear water first, following this with the liquid and using only enough of the latter to saturate the soil. Thus making a tankful go much further than it would if the liquid manure were used same as clear water.

## Glass Repairs

Growers who were wise repaired all broken glass last summer when repairing was comparatively easy. There were a large number of panes that were merely cracked and looked as though they were there to stay, yet it is these very ones that are making all the trouble now. They are not as strong as the unbroken glass and as soon as a little snow or ice collects over them, or merely slides over them they go all to pieces. Watch these broken places and see that they are properly cared for until the weather will permit repairing them properly. There is little to be gained in trying to repair glass in bad weather. With the bars coated with ice the work is dangerous, let alone unprofitable, for if the person can feel safe some glass is sure to be broken while being handled when the hands are stiff with cold.

## Warped Ventilators

In the older houses, and especially those that are in bad need of paint, the wood will absorb so much water that it will warp at times. As long as this is in other parts of the house it does not matter so much, but as soon as it comes to the ventilators the warping of these will admit a good deal of cold air, which is not wanted, and as the rest of the house may be quite tight the cold air currents resulting are likely to cause spots of mildew right where they come down on the plants. If the ventilators cannot be fixed by drawing down the arms and tightening the set screws it will be best to turn waterproof paper or cloth over these places so that the cold air will be kept out or at least reduced to a minimum so that it will not harm the plants any. Watch out when the ventilators come together, as the wood often swells and they will not close tight. This may result in broken glass and mildew, so it is well to make for a little extra care in getting ready and down these places as soon as the weather permits. Paint the inside and outside of the ventilator arms with a good oil and this will keep them from swelling. Thus the glass will be safe and the plants will not be harmed.

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among for about that fitness in its news columns and a lot of all-around matter. But frequent mistakes are made in inexperienced hands and it is also too true that the best meaning newspapers are very prone to fall for any extravagant romance concerning horticulture and presumably will continue to do so until some day, perhaps, as for example in the departments of music, fashion or the drama, responsible experts to handle and censor all such matter before it is given publicity. In our opinion the subject is today important enough to justify such a course on the part of the leading daily.

The winter season of 1915-16 has been some-  
**Breakers ahead** what unique in its way and has brought some exceptional experiences to cut flower and plant growers and dealers. It is not likely that the record of the past two months will be paralleled in many years to come. With the sun getting higher and the days rapidly lengthening, the time is now not far distant, however, when a decided shift in the balance of supply and demand in the wholesale flower market is inevitable—in fact our commercial reports from various sources indicate that the reaction has already begun. It is a singular characteristic of the flower trade, so far, that when such conditions are in plain sight and a cumbersome daily overstock and consequent sacrifice of stock is inevitable, no comprehensive action has ever been attempted in the large distributing centres in the way of preparedness to meet the demoralization when it threatens and plan some means whereby reasonable values, with the minimum amount of wasted product, may be maintained and the severity of the inundation mitigated for the general good. Why not? Other industries where perishable products are concerned, are wide-awake to the grave aspects of such situations as they recur from time to time. Is it because we still allow individual self-interest and transient personal advantage to overlie all considerations of community prosperity?

### **The real test of prosperity**

Methods of production are becoming more exact and scientific and quantity, as well as quality of crops, is on the increase, which is something very pleasant to contemplate, but these facts alone are not necessarily an assurance of prosperity. Unquestionable volume of output is too often mistaken for profits and on the other hand, in a period of partial famine and high market values such as we have been passing through during the past two months the top-notch prices which have prevailed are also quite likely to lead to varying and often erroneous deductions. Indeed, the real test of prosperity for the grower lies not in the phenomenal prices obtained in isolated periods nor in the enormity of production but in the net results for the entire year. In the season of scarcity the market will, naturally, take care of itself, but in the time of glut the attribute of salesmanship comes to the front and the business of marketing becomes almost a science. Production with all its perplexities and critical difficulties is easy in comparison. It is not too much to say that the entire floral community—growers, dealers wholesale and retail, and perhaps more remotely but no less truly—all the allied mechanical industries and supply concerns, are vitally interested in how this paramount problem of turning the surplus product to good advantage is handled. Yet, so far as we are aware, it has never been earnestly approached in any broadly concerted way by those who have the most at stake.

### **For more intelligent reporting**

The St. Louis carnation meeting seems to have furnished the daily press with a most varied variety of imaginative material pertaining to floral matters. We alluded to some of it last week. Now comes another one telling how a locally-raised new carnation was named "St. Louis" by vote of the Society at the banquet which followed the convention. "This a testimonial to the hospitality of the city." This of course is of little consequence and does no particular harm but, absurd as it is, it was considered worth telegraphing specially from St. Louis all the way to the Christian Science Monitor, Boston. The Monitor is reputed to be a paper

### CONTROL OF SOIL WASHING.

The Agricultural Experiment Station at Columbia, Mo., has sent out an instructive illustrated bulletin on "The Control of Soil Washing," by M. F. Miller.

Soil washing is the greatest single source of loss on many rolling lands. It is greater than the loss of plant food through cropping. The washing off of the surface soil during a single season may remove as much organic matter as will be replaced by the turning under of two or three clover crops. A single rain may form gullies which it will require years to repair. And the injury to the land itself is only a part of the story. The filling of our smaller streams with silt and the great injury that is done navigation by the clogging of our large water courses with this eroded material is another very important phase of the subject, when the country as a whole is considered. A large share of this damage is preventable. Public sentiment should be awakened to the seriousness of the problem and the land owner brought to realize the importance of persistent efforts of control.

As long as land is kept in timber or in thick-growing vegetation, as in its virgin state, the rate of surface loss from the average soil by erosion is less than the rate of accumulation by rock weathering. When the land is put in cultivation, erosion is greatly increased and the rate of loss is then far greater than the rate of soil formation. It is, however, when the land is in tilled crops that the greatest loss occurs. Careless culture is undoubtedly productive of the greatest losses. Where washes once start they invariably become worse rather than better if the land is kept in cultivation. Shallow plowing is another of the causes of washing which usually accompanies careless farming. If the plowing is deep, most, if not all, of the water will be absorbed and washing greatly decreased.

A crop rotation which leaves the land bare as short a time as possible is the most fundamental preventive measure. The use of winter cover crops such as rye will go a long way in preventing the washing of the fall, winter, and spring rains. The use of such crops not only means a saving of soil but also the addition of organic matter or humus—a substance badly needed in most lands which are inclined to wash.

A preventive measure which the farmer on rolling land must sooner or later learn to apply is that of contour farming, that is, farming the land around or across the slope, rather than with the slope. Where furrows run up and down the slope washing is greatly increased.

A fourth general preventive measure in controlling washing is that of maintaining organic matter in the soil. Soils low in organic matter wash much more than those high in organic matter. This is due to the fact that soils high in organic matter absorb water more rapidly than those which are low in this material, while the presence of organic matter also aids in binding the soil particles together, thus preventing washing. The farmer who maintains organic matter by crop rotation, manuring, and the growing of cover crops will suffer little from soil-washing.

### CYPRIPEDIUM PHILIPPINENSE (LÆVIGATUM.)



This is a very handsome stove species, a native of the Philippine Islands, which appears to be extremely rare at present, although it has been in cultivation for half a century. The dorsal sepal of this species is striped

purplish brown on a white ground, the lip greenish yellow, petals six inches long, striped brown on white ground and twirled. It reminds one of our South American *Selenipediums*, especially *S. Conchitiforme*.

M. J. Pope.

### SCHENLEY PARK.



A View from the Steel Entrance of Schenley Park, Pittsburgh, Pa.

The accompanying cut shows one more in the series of views in Pittsburgh's pride—Schenley Park—which we have been publishing from time to

time. The picture tells its own story in the artistic tree groupings, healthy luxuriance and evident attentive care bestowed by those having in charge this beautiful public reservation.

# NATIONAL FLOWER SHOW

March 25 to April 2

A special delivery service will be provided for the transportation of the exhibits of the National Flower Show to the city of Philadelphia. The service is being provided by the Pennsylvania Railroad Co. and the Philadelphia Flower Show Co. and horticulturists. From the many communications received by this office, it is quite evident that the show will attract a large and interested crowd from all over the country.

At the last National Flower Show, it will be remembered there was little cause for complaint as to the out-of-town patronage, but it looks as though the Philadelphia Show will eclipse all previous records as to this element of the attendance.

The various railroads throughout the country are taking a surprising interest in the affair, and are doing their best to organize traveling parties from different routing points. Secretaries of the different florists' clubs and societies should at once get in touch with the heads of their respective railroad departments, with a view to obtaining advantageous party rates for travel to Philadelphia.

The final schedule of premiums will be issued soon after Feb. 15 and will be the most liberal schedule ever published for a flower show in this country, covering, as it will, premiums amounting to over \$20,000. In the new schedule, a large number of special prizes will appear, donated by various people, enthusiasts along floricultural lines. The National Flower Show Committee is still soliciting offers of special prizes for the various classes scheduled, in order to reduce the premium responsibility as much as possible. Offers made now will be mentioned in the final schedule, with due credit to donors. The Schedule Committee will, about Feb. 15, meet to settle upon the days for staging cut flowers, such as Roses, Carnations, Sweet Peas, etc., and announcement of the fixtures decided upon will be made as soon as possible after the date of the meeting.

The trade exhibition will be a most important feature of the show, and without doubt will be the largest exhibition of its kind ever staged in America. The big trade exhibition of the 1913 National Flower Show is already eclipsed, the number of exhibitors and the amount of space reserved beating the 1913 record fully twenty-five per cent. The greenhouse builders are well represented, Lord & Burnham Co., Hitchings & Co., King Construction Co., Metropolitan Material Co., and the Moninger Co., all having arranged for displays, while the greenhouse auxiliary lines will be represented by such concerns as the Kroeschell Co., John A. Evans Co., Spencer Heater Co., Pfaltzgraff Pottery Co., Benj. Hammond, Voltax Paint & Varnish Co. and others. The representation of lawn mower manufacturers is larger than ever this year, extensive exhibits being expected from the Correll Lawn Mower

Co., S. P. L. & Co., Inc., Power Lawn Mower Co., and the Pennsylvania Lawn Mower Co.

In florists' supply lines will be found exhibits from H. Bayersdorfer & Co., M. Rice Co., A. L. Randall Co., J. G. Neidinger, S. S. Pennock-Meehan Co., Edwards Folding Box Co., Schloss Bros. and others. Plantsmen and seed and bulb dealers are well represented through Henry F. Michell Co., Henry A. Dreer, Inc., A. N. Pierson, Inc., Jos. Hancock, Inc., Arthur Cowee, J. L. Dillon, F. R. Pierson, W. Atlee Burpee & Co., Geo. L. Stillman, S. S. Skidelsky & Co., Robert Craig Co., Conard & Jones Co., Julius Roehrs Co., R. & J. Farquhar & Co., W. K. Harris, Vaughan's Seed Store, Knight & Struck Co., B. Hammond Tracy, B. D. Rapteyn & Son and C. H. Totty.

At this show, the nurserymen will make a strong showing in the trade section. Among those exhibiting will be Thos. Meehan & Sons, Bobbink & Atkins, Andorra Nurseries, J. G. Harrison's Sons and Adolph Mueller. Among the miscellaneous exhibitors are: Bon Arbor Chemical Co., plant foods; Alphano Humus Co., humus; Cloche Co., plant forcers; Richmond Cedar Works, plant tubs; Galloway Terra Cotta Co., garden accessories; Gude Bros. Co., specimens; Florists' Exchange, books; Kirke Chemical Co., plant food and appliances; New York Stable Manure Co., fertilizers; Stafford Flower Farms, fancy plant stock; A. W. Smith Co., landscape work; and Miniature Building Co., children's garden toys.

The retailers' section will be well filled; reservations have already been made by John C. Gracey, John Kuhn, Harry S. Betz, London Flower Shop, and Chas. Grakelow. Institutions interested in horticulture will also be represented, among them the School of Horticulture for Women, and the Women's National Horticultural and Agricultural Society.

Prospective exhibitors, and firms who have unfortunately been prevented from making reservations through lack of space, which has been a serious obstacle for many weeks, will no doubt be glad to avail themselves of the large area of additional space recently becoming available for trade exhibits. This space is situated at the rear of what formerly was the stage, but is now a continuous part of the main floor, reached by both center and side aisles. It is here that the Aquarium Society will have their display exhibit, and the exhibits of aquarium accessories will be located.

In taking over the construction work decorations and equipment from the Automobile Show, the committee finds itself in possession of an area splendidly adapted for exhibits of a miscellaneous character, reservations in which can be made on very liberal terms. Visitors at the Automobile Show will remember the section as that where the exhibitors of automo-

bile accessories were located, and where there was at all times congregated a large and interested crowd.

Chairman Kleinhelm of the Committee on Exhibits has done yeoman work in interesting private growers to stage exhibits, and it looks as though the classes will be generously filled. At least, four entries for the Rose Garden contest are in sight, and the success of this important feature of the exhibition is virtually assured.

The American Rose Society has raised about \$1,500 in special premiums, which is considered as a material help as regards the premiums responsibility in the Rose Section. The American Carnation Society has raised about \$500 for a similar purpose, and it is expected that the American Sweet Pea Society and the American Gladiolus Society will render similar assistance.

The final schedule will contain a class to cover exhibits of aquatics, a special prize for which has been donated by the Foley Mfg. Co. of Chicago. This class will form another distinctive feature of the show.

The Carnation section will be well filled, and it is expected will embrace all the novelties now under consideration by our leading carnationists. It should not be forgotten that the Carnation exhibits will form a complete show in themselves and will really be the Jubilee Exhibition of the American Carnation Society, a special silver medal having been struck by the Society, for award to practically all the winners of blue ribbons.

Chairman F. Cowperthwaite of the Committee on Information, whose address is 518 Market street, Philadelphia, has mapped out several trips among the florist establishments in and around Philadelphia for those who wish to visit the same, and his committee will be prepared to lend every assistance in the way of information which may be required. This department will have a number of paid assistants who will act as guides to the show and be continually at the service of all seeking enlightenment.

The Florists' Telegraph Delivery is to make an exhibit that ought to speak volumes for the service it is exploiting. It will have two booths, to represent the sending, receiving and filling of florists' orders by wire.

Florists on the look-out for unusual effects in decorations for large functions will be interested in the installation of a big electric fountain, which will be in operation throughout the show.

The ladies who have taken an interest in the show, and are to operate the Tea Garden, are holding weekly meetings at the Ritz-Carlton Hotel in Philadelphia, and perfecting some elaborate plans for their department. The young ladies who are to officiate during the show period will be cos-

tuned to conform to the general effect aimed for.

An orchestra of 36 pieces will present a splendid musical program twice daily, and will be stationed at a point furnishing the best acoustic possibilities.

Sectional and sister societies, desiring to have booths or stands at which they can look after the interests of their respective organizations will be accorded space in the balcony floors for the purpose. Arrangements are being made for quarters for Miss Jarvis, founder of the Mothers' Day Association and the actual founder of Mothers' Day, a day of much interest to florists, which booth will be presided over by Miss Jarvis in person.

The work of compiling the Official Souvenir Program is well under way, and the pages to be set apart for trade advertising are being taken up in a satisfactory manner. To meet the wishes of many of the advertisers and Philadelphia interests, it has been decided to charge ten cents for all copies of the Program distributed in the Exhibition Hall. The rest of the circulation will be gratuitous as previously arranged. Chairman Therkildson of the Committee on Publicity has arranged to have copies of the Program on every dining, buffet club and parlor car arriving in Philadelphia during the show.

Chairman E. J. Fancourt of the Committee on Trade Tickets reports a considerable number of these tickets already taken up and without a doubt the demand for the whole issue contemplated will materialize.

Tuesday, March 28, has been decided upon as the day when the New York Florists' Club with its guests will visit the show, and this day will be known as New York Day. The Club's Committee in charge, with A. L. Miller as chairman, is perfecting arrangements for transportation and a dinner en route to Convention Hall. It is expected that at least 400 persons will comprise this party.

JOHN YOUNG, Sec'y.

#### PUBLICITY RAMPANT.

The Philadelphia Record for Sunday, January 30, gave an extended illustrated notice of the National Flower Show to be held in Philadelphia next month. This is a part of the energetic campaign being carried on by the publicity bureau for this great event. The Sunday Magazine which was a part of the issue mentioned, was devoted largely to topics of garden interest with many illustrations of tree and shrub groupings and other subjects of interest for the coming planting season. It contained also an interesting article by George W. Kerr of Burpee's on the culture of sweet peas and the title page is given over exclusively to a portrait in color of the sensational sweet pea novelty, Fiery Cross, from a painting by Miss Winifred Walker in England. The Sunday Magazine has a circulation of 2,000,000 copies.

The annual show of the American Gladiolus Society will be held in conjunction with the August exhibition of the Massachusetts Horticultural Society on Aug. 11, 12 and 13, 1916. The Massachusetts Horticultural Society will donate \$400 in prizes.

## INTERNATIONAL FLOWER SHOW

NEW YORK, APRIL 5 to 12, 1916.

The Flower Show Committee is gradually bringing to completion the Final Schedule of Premiums to be awarded at the New York International Flower Show, and it is expected that it will be ready for distribution about March 1. Numerous additions to the classes as set forth in the Premium Schedule have been made, and quite a number of special prizes will be announced.

The Committee on Special Premiums, of the New York Florists' Club, F. L. Atkins, chairman, is meeting with considerable success in its efforts to influence the donation of prizes and it is hoped by the end of the month all who intend to assist the show in this way will communicate their desires to the Committee or to the Secretary. A similar committee from the Horticultural Society of New York, F. R. Newbold, chairman, is doing like work in its own field.

It has been arranged that trade tickets for admission to the show shall be supplied at the same rates as last year, and all applications for same must be made to the Secretary.

The Official Souvenir Program is in course of preparation. The edition will be placed on sale during the show at the price of 10 cents per copy. The program this year will show considerable improvement over the publication of last year.

Exhibition Manager Herrington is making frequent trips among prospective exhibitors, and his reports are quite enthusiastic as to the support promised, and it would seem that there need be no apprehension that the show will be anything but a huge success and much superior to the show of last year. The trade section, too, promises to greatly excel that of last year, the reservations already made showing a considerable increase in the number of exhibitors.

The ladies will again operate the tea garden, the proceeds to go for the purposes of charity to be announced later, and the whole of the east end of the second floor has been relegated to their use. They are very busy just now promulgating ideas, and it is expected that their plans when matured will cover some novel features in the way of entertainment and service.

The Committee has had prepared a "sticker" or stamp poster, to be used on trade stationery, and is sending supplies of these stamps to all who will use them. If any of our friends who can use a supply of these stamps will communicate with the Secretary the same will be sent and the committee will greatly appreciate the courtesy of their use.

Two of the great feature classes of the show will be very creditably filled, it is pleasing to know. At least five entries are promised for the class covering rose gardens, and there are to be three entries in the rock garden class.

The work of obtaining publicity for the show has been placed in the

hands of the Korbel-Colwell organization, which very creditably gave the same service last year.

It has been arranged that the booth of the Horticultural Society of New York shall this year be located on the second floor of the Palace, instead of the main floor as formerly, this making their old location available for trade exhibits.

About February 15th the committee will decide upon the days to be set apart for the exhibits in the cut flower sections,—Roses, Carnations, Sweet Peas, etc., and proper announcement of same will be made as soon as possible after a decision has been reached.

JOHN YOUNG, Sec'y.

53 W. 28th street, New York.

#### BRITISH HORTICULTURE.

##### National Rose Society.

At the annual meeting of the National Rose Society, held in London in January, the Council reported that owing to the war the marked progress which had regularly been recorded for many years had naturally not continued, but having regard to the circumstances the present large membership must be considered highly satisfactory. The Council feel that the stability of the society in the face of such adverse influences was most gratifying and of good promise for the future. During the year 302 new members had been added to the society, bringing the total to 7,701.

##### A January Show.

The Royal Horticultural Society commenced its 1916 list of fixtures with a very successful show on Jan. 11th. Orchids made a rich and regal display. Charlesworth & Co. staged a magnificent group, for which a gold medal was awarded. Amongst the display was Laelio—Cattleya Antinous (L. C. Myra x C. Enia), which received a first class certificate. J. Gurney Fowler, J. and H. McBean, and Sander & Sons received silver medals for splendid orchid collections. In addition Messrs. McBean obtained an award of merit for Cattleya chocoensis McBean's var. By way of contrast to these floral treasures was the modest violet. J. J. Kettle, who cultivates these flowers in Dorset, showed 50 different varieties, and he is still raising new sorts. A first class certificate was granted to Abies bracteata, shown by Lieut.-Col. Barclay. An award was also made to Begonia Norbury White; this is a sport from His Majesty, the white blooms being tinged with pink at the edges. It was exhibited by George Kent. Fletcher Bros. exhibited tiny fruiting plants in pots of Aucuba japonica fructa alba, the berries being pale yellow. H. J. Chapman, Ltd., found many admirers for their Narcissus Reveille. This has been raised from N. princeps x N. pallida. The trumpet is deep silver yellow, and the perianth cream.

—How

W. H. AGG.

## CLUBS AND SOCIETIES

### ILLINOIS STATE FLORISTS' ASSOCIATION.

Annual Meeting and Exhibition to be held in the Turner Hall at Moline, Ill., on Tuesday and Wednesday, March 7 and 8. We are willing to accept any plants and flowers for an exhibit of some kind. Remember all novelties are being accepted for the National Show at Moline, and any flower showing something better will be given a Certificate of Merit by our Association.

Ship all flowers in care of John Staack, Turner Hall, 6th avenue and 14th street, Moline, Ill.

The program is as follows:

On Tuesday, March 7, at 7 P. M. in the Turner Hall, Moline, R. C. Morgan, President; J. F. Ammann, Secretary; J. E. Ammann, Ed. Morgan Park.

Report of Secretary—J. F. Ammann, Ed. Morgan Park.

Report of Treasurer—P. L. Washburn, Rock Island.

Report on Horticultural Work—F. W. Munch, Chicago, Ill.

Report on Pathological Work—G. L. Potter, Urbana, Ill.

A dinner will be held at 6 P. M. Secure your tickets at the secretary's desk.

Papers will be read as follows:

Christmas and Easter Flowering and Potting Plants—W. F. Ericker.

What the Division of Horticulture is Doing—H. B. Dorner, Assistant Professor of Horticulture.

Soils—W. E. Taylor, M. D.

Location of offices will follow.

Wednesday will be spent in an inspection of the greenhouses and other places of interest.

The exhibition will be open to the public on Tuesday, March 7, from 7 P. M. to 10 P. M., and on Wednesday, March 8, from 2 P. M. to 6 P. M.

Official badge for this meeting—The Carnation Beacon.

J. F. AMMANN, Sec'y.

### FLORISTS' CLUB OF WASHINGTON

The feature of the meeting of the Florists' Club of Washington was the nomination of officers and a discussion of the plans for the attendance of Washingtonians and Baltimoreans at the National Flower Show. The arrangements for this trip are in the hands of a committee consisting of Harry B. Lewis, Milton Thomas and M. J. McCabe. A special train will be run over the Baltimore & Ohio railroad if the number of travelers will warrant it.

R. L. Jenkins, who for the past two years has been the vice-president of the local club, was unanimously nominated for the presidency and Adolph Gude for the vice-presidency, while the present secretary and treasurer were renominated.

A resolution was adopted embodying a request that the Department of Agriculture include dahlias within the tests made of various growing flowers and plants in the Government experimental gardens and farms, the original stock for such tests to be furnished without expense to the Government.

Following the regular business meeting a buffet luncheon was served.

## Meetings Next Week

### Monday, Feb. 14.

Essex County Florists' Club, Krager Auditorium, New York, N. J.  
New Orleans Horticultural Society, Association of Commerce Bldg., New Orleans, La.  
North Westchester County Horticultural Society, Mt. Kisco, N. Y.  
Tacoma Florists' Association, Macomber Hall, Tacoma, Wash.

### Tuesday, Feb. 15.

Lake Geneva Gardeners' and Foremen's Association, Horticultural Hall, Lake Geneva, Wis.  
Minnesota State Florists' Association, Minneapolis, Minn.  
Pennsylvania Horticultural Society, Horticultural Hall, Philadelphia, Pa.

Wednesday, Feb. 16.

Rhode Island Horticultural Society, Public Library, Providence, R. I.  
Horticultural Society of New York, American Museum of Natural History, New York City.

### Thursday, Feb. 17.

Essex County Florists' Club, Krager Auditorium, New York, N. J.  
New Orleans Horticultural Society, Association of Commerce Bldg., New Orleans, La.  
North Westchester County Horticultural Society, Mt. Kisco, N. Y.  
Tacoma Florists' Association, Macomber Hall, Tacoma, Wash.

### Friday, Feb. 18.

North Shore Horticultural Society, Manchester Mass.

### Saturday, Feb. 19.

Dobbs Ferry Gardeners' Association, Dobbs Ferry, N. Y.

### COMING EXHIBITIONS.

February 16.—Horticultural Society of New York, American Museum of Natural History.

March 7-8, Moline.—Annual meeting and exhibition of the Illinois State Florists' Association.

March 17, 18, 19, Boston.—Spring Exhibition Massachusetts Horticultural Society, Horticultural Hall.

March 25-April 2, Philadelphia.—Fourth National Flower Show of the Society of American Florists, Convention Hall, Broad Street and Arch Street Avenue.

April 5-12, New York.—International Flower Show of the Horticultural Society of New York and the New York Florists' Club, Grand Central Palace, Forty-sixth Street and Lexington Avenue, New York.

May 10, 14, Boston.—May Show Massachusetts Horticultural Society, Horticultural Hall.

Officers elected for 1916 in the Pennsylvania State Horticultural Society are as follows: Dr. I. H. Mayer, Lancaster, president; P. S. Fenstermacher, Allentown and George Kessler, Tyrone, vice-presidents; F. N. Fagan, State College, secretary; Edwin W. Thomas, King of Prussia, treasurer.

### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

#### Department of Plant Registration.

Public notice is hereby given that as no objection has been filed, the registration of *Cattleya Percivaliana* "Reblingiana," by Lager & Hurrell, Summit, N. J., becomes complete. Public notice is also hereby given that as no objection has been filed the following registrations by the same firm become complete.

*Cattleyas* Percivaliana Aurora, P. spectabilis, P. resplendens, P. Stanley Ranger, P. superba, P. grandiflora, P. gigantea, P. Expansa, P. atropurpurea and P. Oreol.

JOHN YOUNG, Sec'y.

Feb. 5, 1916.

### BUFFALO FLORISTS' CLUB.

The regular meeting of this club was held on Tuesday last, and President Scott being absent, Louis Neubeck was in the chair. The regular routine of business was transacted and four new candidates elected to membership. Nominations of officers for ensuing year then took place. Every indication points towards some competition, there being three nominations for president—Robert Scott, Louis Neubeck, E. C. Brucker; vice-president, Charles Guenther, David Seymour; secretary, Wm. Legg; financial secretary, O. K. Ungenmeyer, Leo Neubeck; treasurer, W. H. Eliss. A committee of three was appointed to make arrangements for the annual banquet and entertainment.

### NEW ENGLAND NURSERYMEN'S ASSOCIATION.

#### Officers and Committees Chosen for 1916.

President—George C. Thurlow, West Newbury, Mass.

Vice-President—A. P. Horne, Manchester, N. H.

Executive Committee—W. W. Hunt, Hartford, Conn.; J. J. McManmon, Lowell, Mass.; C. H. Grenton, Providence, R. I.

Committee on Publicity—A. E. Robinson, Lexington, Mass.; C. R. Burr, Manchester, Conn.; W. W. Hunt, Hartford, Conn.

Committee on Membership—Charles R. Fish, Worcester, Mass.; W. W. Hunt, Hartford, Conn.; B. A. Bohuslav, Newport, R. I.

Committee on Legislation—W. H. Wyman, No. Abington, Mass.; C. R. Burr, Manchester, Conn.; V. A. Vanicek, Newport, R. I.

Committee on Standardization in Sizes of Nursery Stock—E. W. Breed, Clinton, Mass.; J. R. Barnes, Yalesville, Conn.; Julius Heurlin, So. Braintree, Mass.

At a meeting of the Rhode Island State Arborists' Association held last week in the State Board of Agriculture at the Capitol, a committee was appointed to draft a bill and to look after its passage in the Legislature. One of the principal features of the bill is that it will require the licensing of tree surgeons. It is contended by the State Association and growers that their interests are not protected, for the reason that the men engaged in tree surgery are not all properly qualified.

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AZALEAS, PALMS, BAYS, ETC., from Belgium.  
BOXWOODS, ROSES, ETC., from Boskoop, Holland.  
MAPLES, PLANES, ETC., from Oudenbosch, Holland.  
BEGONIA AND GLOXINIA BULBS, December shipment.  
English Manetti, Japanese Lilies, Raffia, French Fruit Stocks, Kentia Seeds, Etc.

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NATURAL GREEN SHEET MOSS, (100 sq. ft.) ..... \$1.75  
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DELIVERED BY EXPRESS

WILD SMILAN, per case, 600 sq. ft.) ..... 2.50

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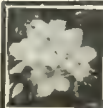
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All greenhouse grown and well ripened. Send your orders early.

1000 Seeds at \$3 per 1000; 5000 Seeds at \$2.75 per 1000  
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### Rhododendron carolinianum

New American Species

CLEAR PINK. ABSOLUTELY HARDY

Send for prices and full description, and Catalogs of the only large collection of Hardy Native Plants.

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Largest assortment in New England. Evergreens, deciduous trees both common and rarer varieties.

Sturdy, choice stock that can be depended upon. Send for catalog and special trade prices.

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This New England climate produces fine hardy shrubs. Special trade prices. By the thousand, hardy Native and Hybrid Rhododendrons—transplanted and acclimated. Let us estimate.

## REMEMBER!

If it's a Hardy Perennial or so called Old Fashion Flower worth growing, we have it in one shape and another the year round. We have the largest stock in this country, all made in America, and our prices will average 75c. per doz., \$5.50 per 100.

Why say more here? Send for our Wholesale Price List of varieties and benefit from the opportunities this affords you. Address

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was the only English concern to receive  
Medals of Awards at the Panama-Pacific Fair  
at San Francisco. The Medal of Honor was  
awarded to us for the superior merit of our  
entire display.

This of itself would have been a notable tri-  
umph.

To add to it: Gold, Silver and Bronze Med-  
als of Honor a signal victory.

Yes, so you grow garden this rather pleas-  
urable rubbing our hands in having received  
such recognition from your keen American Jury  
of Horticultural Experts.

Our Antirrhinums won the Gold Medal.

Of course, you will want some of them. You  
will find them listed on pages 86 and 87 of our  
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your request 35 cents in stamps, which amount  
will be promptly refunded with your first order  
for \$5.00.

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Washington, D. C.; Secretary-Treasurer,  
C. E. Kendel, Cleveland, O.; Assistant  
Secretary, S. F. Willard, Jr., Cleveland,  
O.; Cincinnati, O., next meeting place.

#### One Week's Imports.

Imports at the port of New York  
of horticultural material for the week  
ending Jan. 28, were recorded as fol-  
lows:

Bulbs, etc.—France, \$133; Nether-  
lands, \$41,885; Italy, \$41,885.

Trees and plants—France, \$11,983;  
England, \$1,239; Ireland, \$339; Ja-  
maica, \$28; Japan, \$47.

Red clover seed—France, \$143,307;  
Italy, \$41,885.

Grass seed—France, \$4,246; Spain,  
\$3,741; England, \$138; Ireland, \$308.

All other seeds—Denmark, \$236;  
France, \$4,231; Italy, \$8,361; Nether-  
lands, \$6,453; England, \$22,983; Chile,  
\$1,188; British East Indies, \$5,548;  
Hongkong, \$200; Japan, \$16.

Nitrate of soda—Chile, \$66,482.  
Guano—Canada, \$9,850; Haiti, \$1,167.

Substitute fertilizers—England, \$34;  
Argentina, \$3,907; Venezuela, \$13,271.

#### Bolgiano's "Long Lost" Lettuce.

This wonderful Lettuce was greatly  
prized by the leading market garden-  
ers around New York, Philadelphia  
and Baltimore twenty-five or thirty  
years ago. For some reason unknown

it was lost. More recently it was sold  
by an unusual Frenchman, who came  
around with a sack of seed on his  
back selling this wonderful Lettuce  
to the Philadelphia market gardeners.  
Several years ago this Frenchman  
went away and never returned. Fortu-  
nately, through Mr. Oliver H. Ott, of  
Philadelphia, we are told that Messrs.  
Bolgiano secured a very few seed of  
this wonderful Lettuce and, by infinite  
pains, care and attention, have this  
year grown enough seed of the "Long  
Lost" Lettuce to supply wide-awake  
market gardeners, friends and custom-  
ers, provided they order quickly be-  
fore the limited supply of seed is ex-  
hausted.

#### NOTES.

A representative of a Boston seed

house, just returned from a business  
trip, tells us that orders have in-  
creased almost 50 per cent over last  
year in the same territory and that  
other representatives of the concern  
tell the same encouraging story. He  
predicts that the coming year will be  
one of the best in the business.

The British Foreign Office has  
granted a permit in favor of H. N.  
Bruns, of Chicago, Ill., guaranteeing  
the unmolested shipment from Rotter-  
dam of a quantity of German lily of  
the valley pips valued at 102,300  
marks. This information has just  
been conveyed from the British Em-  
bassy to the Office of the Foreign  
Trade Adviser of the State Depart-  
ment.

## SEEDS--ONION SETS

Appreciation of a high order of Merit in Seeds and Seed Service  
leads naturally to purchasing from

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## KEYSTONE SNAPDRAGON

Best Winter Flowering Pink Snapdragon on  
the market. Per pkt., \$1.00; 6 pkts. for \$5.00.

S. S. SKIDELSKY & CO.  
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## MICHELL'S NEW CROP FLOWER SEEDS

ASPARAGUS PLUMOSUS NANUS  
NORTHERN GREENHOUSE GROWN  
1,000 Seeds... \$3.50 10,000 Seeds... \$30.00  
5,000 " ... 15.50 25,000 " ... 52.50  
Special Prices on Larger Quantities.

### ASTER CREGO

	Tr. Pkt.	Oz.
WHITE	80.70	\$1.25
SHELL PINK	.30	1.25
ROSE PINK	.30	1.25
LAVENDER	.30	1.25
PURPLE	.30	1.25
MIXED	.30	1.25

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WHITE	80.30	\$1.25
ROSE PINK	.30	1.25
LAVENDER	.30	1.25
BLUE	.30	1.25
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MIXED	.30	1.00

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FARQUHAR'S NEW GIANT MIXED.  
1-16 oz., \$1.00;  $\frac{1}{8}$  oz., \$1.75.

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BRIGHT ROSE, WHITE WITH ROSE  
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SCARLET, WHITE, STRIPED,  
 $\frac{1}{8}$  oz., 25c.;  $\frac{1}{4}$  oz., 40c.; oz., \$1.25.

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White	80.70	\$1.25
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Dark Blue	.05	.60
Scarlet	.05	.60
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Purple	.10	1.00
Crimson	.10	1.00
Shell Pink	.10	1.00
Rose Pink	.10	1.00
Mixed	.10	1.00

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Finest Greenhouse Grown	Pkt.	Oz.
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1000 Seeds	.30	1.25
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	Pkt.	Oz.
Emperor William	.10	\$1.50
Crystal Palace	.10	1.75
Speciosa, Teaching Blue	.05	.60

### SALVIA

	Pkt.	$\frac{1}{4}$ oz.	Oz.
Bontite	80.70	80.70	\$1.25
Splendens	.05	.50	1.50
Zurich	.15	1.25	1.00

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Pink	80.70	\$1.50
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Mixed	.05	1.25

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of varieties all the way from Sweet  
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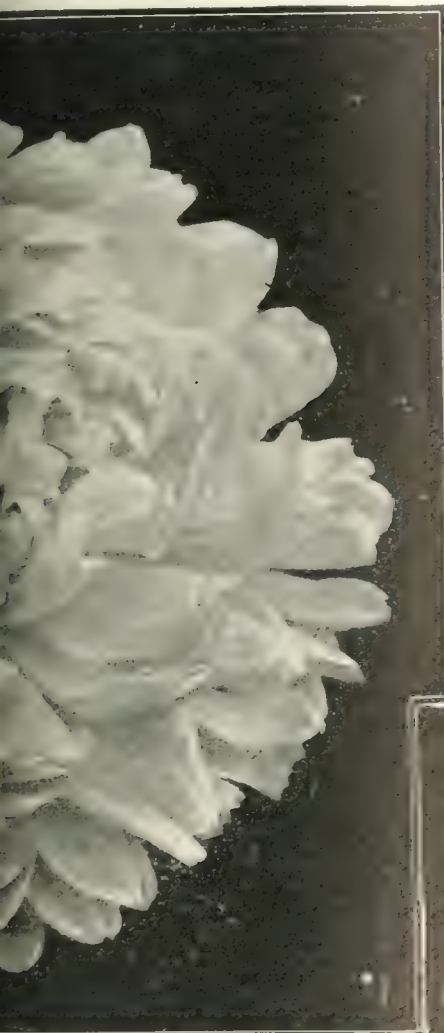
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particularly during August and September, thousands of people visit our farms for the purpose of seeing the vast expanse of besides Asters. Last year our field of Phlox Drummodi attracted much attention. In fact, we grow more or less of a large number down the alphabetical list to Zinnias. At the time when the flowers were at the height of bloom, about the middle of September, number of visitors at more than seven thousand, and 1300 automobiles. Florists and others are always welcome to visit our farms for trade.



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<b>VICK'S PINK ENCHANTRESS</b>	Packets only, each 15c., 2 for 25c.
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<b>VICK'S KING ASTERS.</b> Rose, Lavender King, White King, Shell Pink King, Crimson King	1 16 oz. 20c., 1 8 oz. 30c., 1 4 oz. 50c., 1 2 oz. 80c., 1 oz. \$1.50 .....in packets only, each 20c., 2 for 35c. .....packets only, each 25c., 2 for 40c.
<b>IMPROVED CREGO.</b> White, Shell Pink, Lavender, Rose, Crimson and Purple	.....1 16 oz. 20c., 1 8 oz. 30c., 1 4 oz. 50c., 1 2 oz. 80c., 1 oz. \$1.50
<b>VICK'S LATE UPRIGHT.</b> White, Rose, Lavender Pink, Crimson, Purple, Amethyst and Peach Blossom	.....1 16 oz. 20c., 1 8 oz. 30c., 1 4 oz. 50c., 1 2 oz. \$1.20, 1 oz. \$2.00
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Michigan City, Ind.—Wm. A. Knoll

New Bedford, Mass.—Forest Chamberlain

Newark, N. J.—S. A. Rogers 14 Branford place.

San Francisco, Cal.—The Seta Company, Clement avenue.

**NEWS NOTES.**

Mingo Junction, O.—Russell Hook has sold his greenhouse to C. L. Fishback

Fort Atkinson, Wis.—Cloute Bros. have purchased the greenhouses of A. L. Meierman

Swampscott, Mass.—Archibald Miller florist, has taken out nomination papers as a candidate for election as park commissioner

Lexington, Mass.—The Breck-Robinson Nursery Co. have purchased the business and stock of Chamberlain & Co., gladiolus growers of Wellesley, Mass., and have engaged Mr. Chamberlain to take charge of their gladiolus department

Albert Lea, Minn.—G. D. Black, gladiolus grower, of Independence, Ia., has merged his business with the firm known as Black's Seeds. The gladiolus department will be managed by G. D. Black, and the seed department will be managed by Robert H. Black, son of G. D. Black, and Clarence Wedge.

**BUSINESS TROUBLES.**

Philadelphia, Pa.—Samuel R. Aiken, florist, 1722 Columbus avenue, liabilities, about \$1,000.

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**ALBANY, N. Y.**FLOWER DELIVERIES FOR ALBANY  
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Orders for the TWIN CITIES and for all  
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St.

Albany, N. Y.—The Rosery, 23 Steuben  
St.

Albany, N. Y.—Danker, 40-42 Maiden  
Lane.

Albany, N. Y.—William C. Gloeckner, 97  
State St.

Boston—Thos. F. Galvin, 1 Park St.

Boston—Penn The Florist, 37-43 Brom-  
field St.; 124 Tremont St.

Boston—H. R. Comley, 6 Park St.

Buffalo, N. Y.—S. A. Anderson, 440 Main  
St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan  
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid  
Ave.

Cleveland, O.—Adam Graham & Sons,  
5523 Euclid Ave.

Cleveland, O.—Knoble Bros., 1836 W. 25th  
St.

Cleveland, O.—The Smith & Feters Co.,  
735 Euclid Ave.

Denver, Col.—Park Floral Co., 1643  
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,  
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Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017  
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New York—David Clarke's Sons, 2139-  
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New York—Alex. McConnell, 611 5th Ave.

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New York—G. E. M. Stumpp, 761 Fifth  
Ave.

New York—Thos. F. Galvin, Fifth Ave.,  
at 46th St.

New York—A. T. Bunyard, 413 Madison  
Ave., at 48th St.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415  
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25  
Clinton Ave., N.

Rochester, N. Y.—Salter Bros., 38 Main  
St., West.

St. Louis, Mo.—Fred C. Weber, 4326-28  
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-  
son Co.

Toronto, Can.—J. H. Dunlop, 8-10 West  
Adelaide St.

Washington, D. C.—Gude Bros., 1214 F  
St.

Washington, D. C.—F. H. Kramer, 915  
F St., N. W.

Westerly, R. I.—Reuter's.

Worcester, Mass.—H. F. A. Lange.

Worcester, Mass.—Randall's Flower Shop,  
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**KERR** ORDERS FOR TEXAS

The Florist HOUSTON, TEXAS  
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## NEWS ITEMS FROM EVERYWHERE

### CHICAGO.

Mr. and Mrs. A. A. Tonner, of the N. Y. Bldg. Co., are the only people in the city who have a room and a garden in the city. Their garden is in the city and is a most beautiful one.

The annual novelty display of the Chicago Florists' Club is under way. There is a splendid exhibit and a special afternoon session will be a new feature. This event is considered a most auspicious one for informally displaying new productions.

The down-town Schiller store, known as the Gift Shop, is now in the hands of R. F. Schiller who is having it remodeled, with soft lights, which bring out the beauty of the flowers instead of dazzling the eyes, and Flemish oak will take the place of white in the trimmings. All will be completed in time for a special Valentine window. The shop caters to gifts of all kinds in which cut flowers and plants will play a part. Peter Shafer of Kankakee is now "right hand man" here.

O. A. & L. A. Tonner have secured a lease on room 205-206 in the Atlas Block. It is to be used to continue the wholesale cut flower business, already well established, and also for a supply business with which L. A. Tonner has had many years' experience. The room, which was formerly two, is large and splendidly located. It is light and has two entrances, making it well adapted to its two lines of business. L. A. Tonner will be the Chicago representative of various large concerns.

As Valentine Day approaches, the splendid business of a year ago is recalled, when it suddenly became one of the best of the big days. All sorts of new attractions are appearing in the loop windows, among them bisque cupids suspended from the handles of the baskets so as to seem to nestle among the flowers. Ten inch hearts with retainers for flowers are done in harmonizing tints and the whole mounted on small easels. The usual variations in boxes and baskets suitable for the day are seen.

A trip through A. L. Randall's makes one ask "What next?" The florist of ten years ago, or even of five, would never have dreamed of all the accessories which now are offered to help fill the salesroom of the modern florist, and which are to be found here. The third floor has now been rented by this company, which already occupies the entire second in the fine new Le Moyne building, which also houses several of the largest wholesale houses in the trade here. All the novelties for the special days are now in charge of Miss Cook, who is an artist in her line and originates many of the clever ideas in her department.

The sale of the thousand tickets offered at one dollar each by the Chicago Florists' Club, on the big silver punch bowl, which was not awarded at the recent flower show, is under

way. The beautiful bowl was given by the committee of the club. The trophy offered. The proceeds of the sale will be used to help fund the club. With the pluck that will not know defeat, the club has been successful in its efforts to raise the standard of the industry. Letters have been sent out regarding the sale of floor space and favorable replies have already been received from many growers.

R. Kurowski, of the J. C. Moninger Co., reports every indication is for a good season ahead. The long list of orders and inquiries includes the territory from the Atlantic to the Pacific coast and two more engineers and four other men have recently been added to its force. E. F. Kurowski recently went to Greenfield, Mich., to inspect the new carnation house built there for Thos. F. Brown last summer. It is out of the ordinary, being 84x600 feet, of the New Moninger all-steel equal span construction, with not a casting in the house. A letter from Mr. Brown says the house was not noticeably affected by the expansion or contraction this winter, but was satisfactory through all the ranges of temperature. It is 26 feet high at the ridge. It is planted with carnations, the plants being placed in the ground at its natural level and cross aisles running from the center aisle, which saves walking when picking flowers, but slightly lessens the floor space.

### ST. LOUIS.

The Executive Committee of the Florist Club who handled the recent carnation meeting held a meeting at Smith's to prepare their final report.

Our wholesalers who close their places of business on Sunday made an announcement that on Feb. 13th they will open up to give the retailers a chance to buy for Valentine's day orders. Many retailers say they hope they will see the folly of closing Sundays and make it a permanent feature from now on.

The officers of the Florist Club held a delightful meeting at the home of Trustee Ohlweiler and mapped out an interesting program for this week's club meeting, including a lecture by Mr. Ohlweiler on "How New Varieties in Flowers Are Created." The members were entertained after the meeting by Mrs. Ohlweiler.

### WASHINGTON.

J. A. Phillips, of the Flower Shop, on Upper Fourteenth street, is spending an extended vacation with relatives and friends in Toledo, Ohio. He has taken his young son with him.

Norman Simms, chauffeur for the Du Pont Flower Shop, had a narrow escape from serious injury last week when the delivery automobile which he was driving came in collision with another machine. Both automobiles were damaged.

### PHILADELPHIA.

Frederick McDonald was married Feb. 8th to Mrs. J. H. Chalfont. Mr. McDonald is a member of the firm of McDonald Bros., Kennett Square, Pa.

There are many new carnations around this year. New York, Massachusetts, Connecticut, Illinois, Indiana, Nebraska are among the contributors. The bright particular star so far seems to be Belle Washburn. That's "some pink." If you ask me. A glowing red. Shines in the dark.

The "Dark Russell" roses that came down from Waban Rose Conservatories for the Florists' Club meeting could hardly be distinguished from the regular Russell. But we saw some that came in today from Alfred Burton's and if it is like that, then Dark Russell is something, after all.

March 7th will be a red-letter day for the sweet pea at the monthly meeting of the Florists' Club when Howard M. Earl, general manager for W. Atlee Burpee & Co., will be the speaker and exhibits will be shown of the latest improvements by all the best growers in the vicinity as well as from New York and New England.

We cordially agree with the many fine editorials that have appeared in HORTICULTURE condemning sensationalism and lies in the daily press and elsewhere in regard to our business. These editorials have had great influence and things are not so bad now as they used to be. We have just been reading one from the "Indianapolis Star" which is sane and fine and gives another evidence among many for the changed and better spirit.

Chairman Fancourt announces that the National Flower Show Committee have made provisions to offer tickets to the trade in lots of 100 or more at \$25 per hundred with the purchaser's name printed on the ticket. This offer is also good for Garden Clubs and Horticultural Societies for use of their members. There will be a big demand for tickets, and the concessions in price made will enable them to hand them out more liberally than they could do otherwise.

The regular meeting of the Southampton (N. Y.) Horticultural Society was held on Thursday, Feb. 3rd. The paper, "Is Gardening a Profession," was read by a member and received very enthusiastically. O. C. Gardiner made some very interesting remarks on increase of greenhouses since 1890. There were here then one commercial and one private greenhouse whereas now there are five commercial and nearly a score of private greenhouses and conservatories, and G. E. M. Stumpp has a branch of his city flower house here in the summer.

Cincinnati—Mrs. Augusta Hoffmeister and family have been receiving the sympathies of their friends who also mourn the death of Mrs. Hoffmeister's youngest brother last week.

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Cherries for Washington's Birthday, \$1.00 per gross

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### Personal

Axel Sorenson, manager of the Hanover (Mass.) Greenhouses for the past few years, will complete his duties about the first of March and remove to Marlboro, where he will engage in the same business.

The Hartford Market Gardeners' Association has elected the following officers for the year: President, C. F. Cannon; vice-presidents, P. A. Sears, John Christenson; treasurer, E. P. Carroll; secretary, J. W. Crowell; executive committee, John T. Wells, W. G. Griswold, Neil Christenson, Andrew Christenson.

The Pequod Nursery have opened an office in Meriden, Conn. F. L. Thomas, who is the general manager, has been in the nursery business for the past 20 years and was at one time identified with Ellwanger & Barry of Rochester, N. Y., but for the past six years he has been the sales manager for the Burr Nursery Co. at Manchester, Conn.

Harold L. Cushman and Miss Mabel M. Worth, who have for some time been partners in a successful florist business under the firm name of Cushman & Worth, in Bangor, Me., were married in Portland, February 5. They will continue to conduct their flower shop under the same name that it has been run since they formed their partnership.

Carl Rust Parker, landscape architect, has opened an office in Springfield, Mass. Mr. Parker is a fellow of the American Society of Landscape Architects and of the Boston Society of Landscape Architects. For 10 years he was with the well-known firm of Olmsted Bros. of Brookline, and for the past five years has had an office in Portland, Me., which will still be carried on in connection with the Springfield office to handle the large practice in northern New England.

#### PUBLICATIONS RECEIVED.

"The Prairie Spirit in Landscape Gardening." We should like to add a few more lines to what we have already published in reference to this

very original presentment of a broad gardening proposition by Wilhelm Miller in Circular 184 of the Department of Horticulture, Univ. of Illinois. To begin with it is a most attractive publication typographically, containing one hundred superb illustrations and we are not surprised to learn that the demand for copies is something unprecedented.

"The Prairie Spirit in Landscape Gardening" is uniform with "The Illinois Way of Beautifying the Farm" (Circular 179), the page being 9¼x12 inches. The aim is to show "what the people of Illinois have done and can do toward designing and planting public and private grounds for efficiency and beauty."

The contents are as follows:

Chapter 1, The Prairie Style of Landscape Gardening; 2, Everyone Can Apply the Principle of Conservation; 3, A Free Restoration of Ancient Illinois; 4, Restoration Applied to Farmstead and City Lot; 5, Restoring the Romantic Types of Illinois Scenery; 6, Can the Prairie be Restored? 7, Everyone Can Apply the Principle of Repetition; 8, Adapting the Prairie Style to Other Kinds of Scenery; 9, Materials Used in the Prairie Style; 10, Some Uses for Illinois Materials; 11, Literature of the Prairie Style of Landscape Gardening; 12, The Showiest Plants in the World.

The prairie style is defined as "an American mode of design based upon the practical needs of the middle-western people and characterized by preservation of typical western scenery, by restoration of local color, and by repetition of the horizontal line of land or sky, which is the strongest feature of prairie scenery." This repetition is accomplished by means of "stratified plants," which have strong horizontal branches or flower clusters, like certain hawthorns or thorn apples.

The prairie style is to be distinguished from "the Illinois way." The former is a mode of design; the latter is not. The Illinois way of planting is defined as the use of as high a proportion of plants native to Illinois as is consistent with practical requirements and the principles of design. In this sense every state in the

Union may have a "way" of its own based upon its local flora. The prairie style, however, is suitable only for the Middle West. It is of special interest to Illinois, because Illinois is the "Prairie state."

While educational work should not be judged by commercial standards, yet the following figures are illuminating and encouraging. At the end of its second year the Division of Landscape Extension had 5,200 pledges "to do some permanent ornamental planting within a year." The signers were then asked to report on what they had done. Replies were received from 991, or 19 per cent. These spent a total of \$75,117 on materials, grading, lawn tools, etc. The average expenditure was nearly \$76. The average expenditure of the 642 persons who spent less than 100 was \$22.

While "The Prairie Spirit" was prepared primarily for the people of Illinois, its principles are applicable throughout the Middle West. Industry, conservation and restoration are applicable everywhere. This circular, therefore, may be of national interest, especially in new communities where people still despise or neglect the local flora. It may even have some educational value in regions where none of the middle-western species will grow, by setting people to thinking in new and constructive ways about their environment.

#### A ROCK POOL.

(See Cover Illustration.)

Rock gardening is on the eve of a great popularity in this country. Heretofore it has been sadly neglected in the interest of other more showy but far less interesting phases of garden work. Abroad it has been carried to a wonderful development. Unfortunately, many of the most beautiful rock garden subjects available in Europe are failures for that purpose here, and this fact probably has something to do with the neglect of this form of gardening in this country. With the better knowledge and appreciation of our native plants, however, our people are coming to realize that there is no lack of suitable material for such work.

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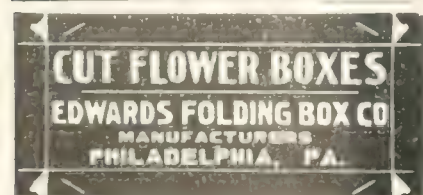
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	BOSTON		ST. LOUIS		PHILA.	
Roses	Per 100	Per 50	Per 100	Per 50	Per 100	Per 50
Av. Beauty, Sp. ...	4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	2.00 to 3.00
Russell, Hadley ...	8.00 to 10.00	4.00 to 6.00	8.00 to 10.00	4.00 to 6.00	8.00 to 10.00	4.00 to 6.00
Kearney, Keen, H. ...	8.00 to 10.00	4.00 to 6.00	8.00 to 10.00	4.00 to 6.00	8.00 to 10.00	4.00 to 6.00
Arden, R. ...	6.00 to 8.00	3.00 to 4.00	6.00 to 8.00	3.00 to 4.00	6.00 to 8.00	3.00 to 4.00
Carnations, Fancy ...	2.00 to 3.00	1.00 to 1.50	2.00 to 3.00	1.00 to 1.50	2.00 to 3.00	1.00 to 1.50
Cattleyas ...	30.00 to 50.00	15.00 to 25.00	30.00 to 50.00	15.00 to 25.00	30.00 to 50.00	15.00 to 25.00
Dendrobium formosum ...	12.00 to 15.00	6.00 to 8.00	12.00 to 15.00	6.00 to 8.00	12.00 to 15.00	6.00 to 8.00
Lilies, Longlorum ...	8.00 to 10.00	4.00 to 6.00	8.00 to 10.00	4.00 to 6.00	8.00 to 10.00	4.00 to 6.00
Callas ...	12.00 to 15.00	6.00 to 8.00	12.00 to 15.00	6.00 to 8.00	12.00 to 15.00	6.00 to 8.00
Lily of the Valley ...	4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	2.00 to 3.00
Doilies ...	1.00 to 2.00	.50 to 1.00	1.00 to 2.00	.50 to 1.00	1.00 to 2.00	.50 to 1.00
Violets ...	.35 to .50	.20 to .30	.35 to .50	.20 to .30	.35 to .50	.20 to .30
Mignonette ...	4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	2.00 to 3.00	4.00 to 6.00	2.00 to 3.00
Snopdragon ...	2.00 to 3.00	1.00 to 1.50	2.00 to 3.00	1.00 to 1.50	2.00 to 3.00	1.00 to 1.50
Narcissus, Paper-White ...	2.00 to 3.00	1.00 to 1.50	2.00 to 3.00	1.00 to 1.50	2.00 to 3.00	1.00 to 1.50
Tulips ...	3.00 to 4.00	1.50 to 2.00	3.00 to 4.00	1.50 to 2.00	3.00 to 4.00	1.50 to 2.00
Hyacinths, Roman ...	2.00 to 3.00	1.00 to 1.50	2.00 to 3.00	1.00 to 1.50	2.00 to 3.00	1.00 to 1.50
Freesia ...	2.00 to 3.00	1.00 to 1.50	2.00 to 3.00	1.00 to 1.50	2.00 to 3.00	1.00 to 1.50
Calendulus ...	2.00 to 3.00	1.00 to 1.50	2.00 to 3.00	1.00 to 1.50	2.00 to 3.00	1.00 to 1.50
Sweet Peas ...	1.00 to 2.00	.50 to 1.00	1.00 to 2.00	.50 to 1.00	1.00 to 2.00	.50 to 1.00
Gardenias ...	2.00 to 3.00	1.00 to 1.50	2.00 to 3.00	1.00 to 1.50	2.00 to 3.00	1.00 to 1.50
Adiantum ...	1.00 to 2.00	.50 to 1.00	1.00 to 2.00	.50 to 1.00	1.00 to 2.00	.50 to 1.00
Smilax ...	1.00 to 2.00	.50 to 1.00	1.00 to 2.00	.50 to 1.00	1.00 to 2.00	.50 to 1.00
Asparagus Plumosus, Strings ...	25.00 to 30.00	12.50 to 15.00	25.00 to 30.00	12.50 to 15.00	25.00 to 30.00	12.50 to 15.00

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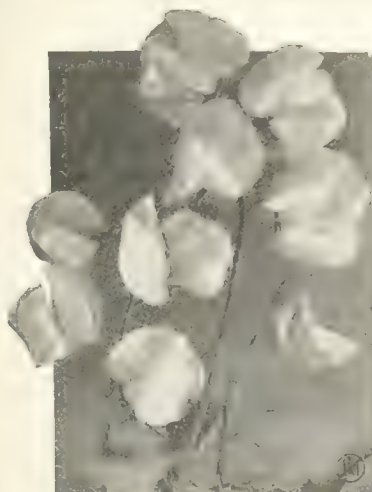
## Flower Market Reports

**BOSTON** The storms of the last few days have stopped the rush of goods to this market. The price of carnations advanced again last Saturday and kept up till Monday afternoon. Tuesday and Wednesday were weak days in all lines but roses, which are still off crop. Bulb stock is now plentiful but still sells at a fair price. Golden Spur narcissi predominate, with a few Mrs. Ware and Victoria coming in. The average of daffodils coming in is not as good as last year. Lilies have shortened up to some extent, but there are being received some very good callas. Amongst the tulips are very good Prosperity, La Reine, T. Moore and Couronne d'Or and others. Violets are coming fair but sell at a low figure.

Spring weather for **BUFFALO** nearly a week has developed a good demand for Golden Spur, Von Sion and Victoria daffodils. Also Yellow Prince, La Reine and other tulips. There are also fine freesias, plenty of Roman hyacinths, etc., which all have a tendency to lessen the sale of carnations. The carnation supply has increased and prices are now within reach of the buyers. There is a fair supply of roses, though the demand for shorts still keeps up. Some excellent Ophelia, Shawyer, Sunburst and pink Killarney are had and sales have been good. Lilies are coming better and there is a heavy supply of lily of the valley. Violets are plentiful—in fact there is now enough of everything to supply all needs.

Conditions are changing. **CHICAGO.** The market is not so tense. The high prices of a short time ago are gone for the season and most people rejoice. The effect is still here, however, making growers dissatisfied at the inevitable smaller returns and as Valentine Day approaches makes the retailer cautious in placing his order. Had it depended upon local sales the market would have had a big lot of accumulated stock at this time for home trade was rather quiet the first week in February, but outside orders took care of all the high grade stock not needed here. Of carnations, there are many which fall far short of the "fancy" class and the why of the split calyx is a popular question. Roses are loosening a little but not enough to make much difference in prices. American Beauties are more easily obtained but only in the lower grades, the high-class stock still being very scarce. Violets are being crowded hard by their rivals, the sweet peas, for corsages. Since the advent of the winter sweet pea the fate of the double violet has been sealed and this has been helped along by the poor condition in which the eastern stock has arrived. Single violets fare better and a mild steady demand generally uses them up. Lily of the valley is scarce and much of it is small. Plenty of bulbous stock is coming.

Stock has been fairly plentiful, not an enough to care for all demands. At present, however, with the advent of cold weather the supply has shortened materially. There has been a small



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## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Feb 7	CHICAGO Feb 7	BUFFALO Feb 7	PITTSBURG Feb 7
<b>Roses</b>				
Am. Beauty, Special	40.00	4.00	50.00	40.00
" " Fancy and Extra	20.00	30.00	40.00	30.00
" " No. 1	6.00	15.00	10.00	15.00
Russell, Hadley	8.00	15.00	8.00	15.00
Killarney, Richmond, Hilldon, Ward	8.00	12.00	10.00	10.00
Arenburg, Radiance, Taft, Key, Ex.	8.00	12.00	8.00	12.00
Ophelia, Mock, Sunburst, Extra	8.00	12.00	10.00	10.00
Ordinary	6.00	8.00	5.00	8.00
<b>Carnations</b>				
Fancy	2.00	4.00	3.00	4.00
Ordinary	2.00	4.00	3.00	4.00
<b>Cattleyas</b>	5.00	60.00	50.00	60.00
<b>Dendrobium formosum</b>	10.00	12.00	8.00	10.00
<b>Lilies, Longiflorum</b>	5.00	12.50	4.00	5.00
" " Rubrum	5.00	12.50	4.00	5.00
<b>Callas</b>	1.00	12.50	6.00	1.00
<b>Lily of the Valley</b>	1.00	5.00	3.00	4.00
<b>Daisies</b>	1.00	1.00	1.50	1.00
<b>Violets</b>	.75	1.00	.75	1.00
<b>Mignonette</b>	4.00	4.00	4.00	4.00
<b>Snapdragon</b>	4.00	5.00	6.00	10.00
<b>Narcissus, Paper-White</b>	3.00	4.00	2.00	3.00
" " Trumpet	4.00	5.00	3.00	4.00
<b>Tulips</b>	3.00	1.00	2.00	3.00
<b>Hyacinths, Roman</b>	3.00	4.00	2.00	3.00
<b>Freesia</b>	3.00	5.00	3.00	4.00
<b>Calendulas</b>	1.00	2.00	3.00	2.00
<b>Sweet Peas</b>	.75	1.50	1.00	2.00
<b>Gardenias</b>	1.00	25.00	35.00	40.00
<b>Adiantum</b>	1.00	1.00	1.00	1.00
<b>Smilax</b>	12.50	15.00	1.00	12.50
<b>Asparagus Plumosus, Strings</b>	25.00	50.00	60.00	40.00
" " & Spreng. (100 bchs.)	25.00	50.00	50.00	35.00

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increase in the size of the daily rose receipts. American Beauties are in plenty and of excellent quality. Carnations are to be had in fairly good quantities; there is a good cut of red for Valentine Day. Lily of the valley and sweet pea receipts are large and some of the best of this winter may be had. Orchids and violets are also plentiful. The lily cut is large and good. Daffodils, freesia, etc., are coming in abundantly.

Present conditions in this market are anything but encouraging. The rose supply is lighter now

than for some time, yet the diminished demand has caused prices to sag, particularly on the longer grades. Quotations on the best grade of Beauty are maintained only because of the few received. Some very fine Hadleys are moving well at good prices. There are more than enough carnations to meet present requirements, so that clearances are difficult, even of the stock goes for very much less, at low figures. Three dollars per hundred buys the primest and this price is the exception, not the rule; the bulk of the stock is of lower grades.

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<i>American Beauty</i> , Special .....	35.00	to 60.00	35.00	to 60.00
" " Fancy and Extra .....	15.00	to 25.00	15.00	to 25.00
" " No. 1 .....	5.00	to 12.00	5.00	to 12.00
<i>Russell, Hadley</i> .....	12.00	to 19.00	12.00	to 19.00
<i>Killarney, Richmond, Hillingdon, Ward</i> , Extra .....	8.00	to 10.00	8.00	to 10.00
" " Ordinary .....	4.00	to 6.00	4.00	to 6.00
<i>Arenburg, Radiance, Taft, Key</i> , Extra .....	6.00	to 12.00	8.00	to 12.00
" " Ordinary .....	1.00	to 2.00	4.00	to 6.00
<i>Ophelia, Mock, Sunburst</i> , Extra .....	8.00	to 15.00	8.00	to 15.00
" " Ordinary .....	4.00	to 6.00	4.00	to 8.00
<i>Carnations</i> , Fancy .....	2.00	to 3.00	2.00	to 3.00
" " Ordinary .....	1.00	to 2.00	1.00	to 2.00

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MAURICE L. GLASS, Treasurer

## Flower Market Reports

(Continued from page 221)

Golden Spurs have sent prices down on these varieties. Lilies are not very plentiful but move sluggishly; so, too, do sweet peas and violets. Lily of the valley is dragging with most everything else; in fact the market has not even a little bit of snap to it.

The first week of February was a bit slow in the early stages but it pulled up towards the end and while the surplus has had to go at a sacrifice fresh flowers are in better demand and prices for them are back to nearly normal. This has helped out on the general average so that on the whole the past week's business has panned out better than was at first expected. Carnations went in the hole about as bad as anything and there was a big accumulation, but even they pulled out pretty well finally. Roses are not in such large supply but the dull business made it look as if they were. American Beauty is the scarcest one on the list. If an order comes in for a thousand the customer is lucky if he gets a hundred. Russell also has been a bit off crop and not so extra fine, but the past few days has seen considerable improvement and it is coming back to its true form very rapidly. The cattleya crop has decreased a little but the demand also has been rather sluggish so that the situation there remains about the same. Bulbous stock is much more plentiful, especially daffodils, tulips, paper whites and freesias. Roman hyacinths are very few as compared with the usual at this time of year. Prices on lilies have eased up a good deal. Lily of the valley is in better supply but still higher than normal. Violets are plentiful and good and low in price. The bulk of the sweet peas arriving are the medium grades. The fancies are on the short side.

Business has been fairly good in all sections of the city. St. Valentine day promises to yield quite a business for the florists this year as many have orders ahead thus early. Violets have been and are going to be many and at reasonable prices. With a bright week the market should be flooded with them. All bulb stock is coming fine. Roses and carnations are not what one would call over plentiful, yet enough for all demands and at good prices. Sweet peas have been scarce of late but will soon be in plenty. There is a scarcity of asparagus and adiantum.

(Continued on page 224)

## HEADQUARTERS For High-Class Roses

Full line of BULBOUS STOCK, BOURBONDIAS, SWEET PEAS and other Seasonable Flowers.

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MISCELLANEOUS	Last Half of Week ending Feb. 5 1916		First Half of Week beginning Feb. 7 1916	
Cattleyas	10.00	to 25.00	10.00	to 25.00
Dendrobium formosum	25.00	to 50.00	25.00	to 50.00
Lilies, Longiflorum	8.00	to 10.00	8.00	to 10.00
Rubrum	6.00	to 8.00	6.00	to 8.00
Callas	12.00	to 16.00	12.00	to 16.00
Lily of the Valley	2.00	to 4.00	1.00	to 4.00
Daisies	2.00	to 3.00	2.00	to 3.00
Violets	1.00	to 1.50	1.00	to 1.50
Mignonette	2.00	to 6.00	2.00	to 6.00
Snopdragon	3.00	to 6.00	3.00	to 6.00
Narcissus, Paper-White	2.00	to 3.00	2.00	to 3.00
Trumpet	2.00	to 3.00	2.00	to 3.00
Tulips	2.00	to 4.00	2.00	to 4.00
Hyacinths, Roman	1.00	to 2.00	1.00	to 2.00
Freesia	2.00	to 4.00	2.00	to 4.00
Calendulas	2.00	to 3.00	2.00	to 3.00
Sweet Peas	1.00	to 1.50	1.00	to 1.50
Gardenias	15.00	to 35.00	15.00	to 35.00
Adiantum	.50	to 1.00	.50	to 1.00
Smilax	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, strings (per 100)	30.00	to 40.00	35.00	to 40.00
& Spreu (100 bunches)	15.00	to 20.00	15.00	to 20.00

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Asparagus, 100 plants per 1000, \$1.00 per 1000; 3 in. pots, \$1.00 per 1000; 4 in. pots, \$1.00 per 1000; 5 in. pots, \$1.00 per 1000. Cash please. H. C. BLAKE, R. D. 4, Springfield, Ohio.

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1000 Begonias May 1st.  
Begonias, 2 1/2 in. pots, \$1.00 per 100; CIL-  
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Folding cut flower boxes the best made.  
Write for list. HOLTON & HUNKEL CO.,  
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Forcing Bulbs and Plants.

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Bulbs of all descriptions. Write for prices.  
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Newest list of the newest Cannas just  
out. Complete assortment of the finest  
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Strong, well rooted cuttings from abso-

	Per 100	Per 1000
A...	\$0.00	\$7.00
B...	...	...
C...	...	...
D...	...	...
E...	...	...

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Split carnations quickly, easily and  
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Trailing Queen, clean, strong, well rooted  
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Largest grower of coleus in the U. S. A.  
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John Wanamaker, Neweast, Handsome,  
Best. New color, new form and new habit  
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High Grade Plants for Retail Florists.

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Dracaena Indivisa, 3 in. potted, 3c.; well  
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A. M. Davenport, Watertown, Mass.  
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Ferns from 2 in. pots, immediate delivery: Boston, 3c.; Roosevelt, 4c.; Teddy, Jr., 5c.; 4 in. Boston, 12c.; 4 in. Teddy, Jr., 15c., extra heavy. Cash please. B. C. BLAKE, R. D. 4, Springfield, Ohio.

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White Marsh, Md.  
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1,000 Mme. Sallerol, 2½ in. pots, \$18.00 per 1,000; or will exchange for rooted cuttings of Poitevine. E. G. BLANEY, Swampscott, Mass.

GERANIUMS—Sept. and Oct. rooted, for immediate shipment, La Favorite, Jean Oberle, Gen. Grant, Apple Blossom, strong single stem, 2½ in., \$2.00 per 1,000; branched, 2½ and 3 in., and single stem, 3 in., \$3.00 per 100. Cash with order, please. SUNNYSIDE GREENHOUSES, Groton, N. Y.

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A. Henderson & Co., Chicago, Ill.  
Forcing Gladioli.  
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James Vick's Sons, Rochester, N. Y.  
Rochester White Gladioli.

America bulbs for forcing, 1½ in. up, \$6.00. Selected, \$8.00. Blooming size, \$4.00; 250 for \$1.00. Special price on large order. Write for 1916 Surplus List. BROOKLAND GARDENS, Woburn, Mass.

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Pocky Cypress.

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HYACINTHS, 3 colors, 4 in. pots, \$7.00 per 100. PRIMROSES in bloom, 4 5 and 6 in. pots, 10c., 15c., 20c. PRIMROSE MALACOIDES, 4 in. in bloom, 15c. VIN. CAS, 3 in., 4c. FUCHSIAS, 2 in., 2c. REGONIA CHATELAINE, 5 in. in bloom, 25c. CYCLAMEN in bloom, 25c., 35c., 50c., 75c. ASPARAGUS PLUMOSUS, 4 in., 7c. AZALEAS for late forcing 75c. GLADIO. LUS bulbs \$10.00 per 1000. ROSEDALE GREENHOUSES, Schenectady, N. Y.

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Aphine.

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English Ivy, Rooted Cuttings, 75c. per 100, prepaid. CHAS. FROST, Kenilworth, N. J.

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R. M. Ward & Co., New York, N. Y.  
Japanese Lily Bulbs of Superior Quality.  
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- Gunther Bros., 110 West 28th St., New York City.  
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- D. C. Arnold & Co., Inc., 112 West 28th St., New York City.  
For page see List of Advertisers
- Henry M. Robinson Co., New York City.  
For page see List of Advertisers
- W. R. Siebrecht, 114 West 28th St., New York City.  
For page see List of Advertisers
- W. B. Cole, Painesville, Ohio.  
For page see List of Advertisers
- Herman Weiss, 106 West 28th St.  
J. J. Coan, 115 West 28th St.
- Philadelphia**
- Leo, Niessen Co., 12th and Race Sts.  
For page see List of Advertisers
- Edward Reid, 1610-21 Rausland St.  
For page see List of Advertisers
- The S. S. Pennock-Meehan Co., 1608-20 Ludlow St.  
For page see List of Advertisers
- Philadelphia Wholesale Flower Exchange,**  
1625 Rausland St., Philadelphia, Pa.  
For page see List of Advertisers
- Richmond, Ind.**
- E. G. Hill Co.  
For page see List of Advertisers
- Rochester, N. Y.**
- George B. Hart, 24 Stone St.  
For page see List of Advertisers
- Washington**
- The S. S. Pennock-Meehan Co., 1216 H St., N. W.  
For page see List of Advertisers

### New Offers In This Issue

#### ASPARAGUS PLUMOSUS NANUS SEED.

W. H. Elliott, Brighton, Mass.  
For page see List of Advertisers.

#### BEGONIAS.

R. Vincent, Jr. & Sons Co., White Marsh, Md.  
For page see List of Advertisers

#### CHERRIES FOR WASHINGTON'S BIRTHDAY.

H. Bayersdorfer & Co., Philadelphia, Pa.  
For page see List of Advertisers.

#### LONG LOST LETTUCE AND JOHN BAER TOMATO SEED.

J. Bolgiano & Son, Baltimore, Md.  
For page see List of Advertisers.

#### NATURAL AND DYED SHEET MOSS

Knud Nilsen, Evergreen, Ala.  
For page see List of Advertisers

#### SPENCER SWEET PEAS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.  
For page see List of Advertisers

#### VICK'S FAMOUS ASTERS.

James Vick's Sons, Rochester, N. Y.  
For page see List of Advertisers.

#### WANTED TO BUY — TREES, SHRUBS, ROSES.

Fred H. Gates, Wilkes Barre, Pa.  
For page see List of Advertisers.

#### WINNINGS AT SAN FRANCISCO.

Sutton & Sons, Reading, Eng.  
For page see List of Advertisers

### PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 5, 1916.—SEALED PROPOSALS will be received in this office until 10 A. M., March 1, 1916, and then opened, for planting trees, shrubs, etc., on the grounds of the Federal Buildings at Alameda, Berkeley, Riverside, and San Jose, California; Albany and Eugene, Oregon; Bellingham, North Yakima, Olympia, Tacoma, and Walla Walla, Washington; and Lewiston, Idaho, in accordance with the specifications, copies of which as well as copies of approach plans of the several buildings may be had upon application to the respective Custodians of the Buildings, or at this office. Make application only for the specification and drawing for the buildings for which you intend to submit proposals. JAS. A. WETMORE, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 7, 1916.—SEALED PROPOSALS will be received in this office until 10 A. M., February 28, 1916, and then opened, for sodding and seeding, and planting trees, shrubs, etc., on the grounds of the Federal Building at Plymouth, Mass., in accordance with drawing T-1, and specification, copies of which may be had on application to the Custodian of the Building, or at this office. JAS. A. WETMORE, Acting Supervising Architect.

### WANTED TO BUY

The City of Wilkes-Barre, Pennsylvania, will receive sealed bids until February 25, 1916, for 550 shade trees, 150 shrubs and 3,500 roses, etc.

Write FRED H. GATES, City Clerk, for detailed information.

### WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 147 Summer St., Boston.

### HELP WANTED

WANTED—An experienced nurseryman for New England position. One who understands propagating, has good record and is not afraid of work, can get good position. "F. A." care HORTICULTURE.

WANTED—Experienced foreman for general landscape work, with knowledge of hardy trees, shrubbery and herbaceous material, road building, grading, etc. Address "R." care of HORTICULTURE.

### SITUATIONS WANTED

GARDENER, FARMER, SUPERINTENDENT for private estate, life practical experience, laying out new places, vegetables, fruit, flowers, farm crops, and live stock; first class credentials, Scotch, married, age 45. Address, A. L. MARSHALL, 216 Cleveland St., Portchester, N. Y.

SITUATION WANTED—As head gardener on private estate, by a German, 30 years; single; very best of references. At present assistant superintendent on one of Brookline's best known private estates. BRUNO SITZENSTOK, 185 Davis Ave., Brookline, Mass.

WANTED—Position as decorator and salesman in first-class retail flower store. Boston and New York references. Address G., care HORTICULTURE.

### FOR SALE

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. PARSHESKY BROS., INC., 215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE—An old established and good paying florist business in Montreal. Small capital required. This is a snap for a quick buyer. Address "M. A. B." care of HORTICULTURE.

FOR SALE—Modern Greenhouse Plant located in city of thirty tons and Address E. A. CHURCHILL, 41 Royal St., Lowell, Mass.

### MISCELLANEOUS

GREENHOUSES TO LET, March 1st, 30 x 100 and 10 x 105 ft. suitable for Geraniums. MRS. FRANCES GRASSIE, 92 Bartlett Ave., Waverley, Mass. Tel. Belmont 154-M.

## THE NUT-GROWER

The unique monthly publication which furnishes reliable and interesting up-to-date information regarding the value of pecans and other edible nuts and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

## THE NUT-GROWER

No. 2 Francis St.

WAYCROSS, GA.

In writing to Advertisers kindly mention HORTICULTURE

## Clubs and Societies

### PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

At the February meeting the following were elected: President, Carl Becherer; vice-president, E. C. Reine-man; treasurer, T. P. Langhans; secretary, H. P. Joslin; assistant secretary, W. A. O'Brien; executive committee, P. S. Randolph, C. H. Sample, A. Frishkorn.

The retiring president, Neil McCallum, received the heartiest expressions of good-will from the members, and of praise for his very successful administration of his office. A thoroughly good fellow, he leaves the presidency without an enemy, and leaves in the minds of his associate officers and the Club members in general, the memory of strong and successful work for the good of the Club.

The largest hospital in Western Pennsylvania is the one located at Dixmont, about ten miles from Pittsburgh. The grounds are very large, and there is a greenhouse range and extensive hot bed and cold frame ranges. In charge of these for several years has been Carl Becherer, who becomes the new president of the Club. His interest and enthusiasm for the Club, his work in hybridizing and raising seedlings, and his continued exhibitions before the Club of good stuff, has for a long time attracted attention to him, and there is no doubt that under his presidency the Club will continue to advance. Owing to sickness he was not able to be present at the election meeting, and the secretary was instructed to send a letter of condolence for his illness, and of congratulations on his election.

Messrs. Herman Rapp, Leetsdale, Jas. Murphy and M. Curran, Sewickley, and the Phipps Conservatories, North Side, Pittsburgh, all showed potted cyclamen in bloom, and all were awarded cultural certificates. Mr. Rapp's certificate including *Primula obconica* in addition to cyclamen.

President McCallum read some extracts and made some remarks bearing on civic pride, prefacing the speaker of the evening, Mr. F. T. Bigger, secretary of the Art Commission of Pittsburgh, who gave a very interesting lantern lecture on the Artistic Element in Municipal Improvement, and made us all anxious to help to make our city beautiful.

H. P. JOSLIN, Sec'y.

The Boston Market Gardeners' Association held a meeting in Arlington, Saturday afternoon, February 5. The first part of the afternoon was taken up in a tour and inspection of the greenhouses on the farms of Wyman Brothers, John J. Lyons and John Lyon in that town, and then a luncheon was served in Grand Army Hall. A business meeting followed, with the president, Harry F. Arnold of Braintree, in the chair. Professor A. V. Osmun of the Massachusetts Agricultural College gave an illustrated talk on "Diseases of Vegetables—Celery and Cucumber Blights."

### DISASTROUS EFFECT OF A GREAT STORM.

AN INTERESTING REPORT WAS MADE at the meeting of the New Haven County Horticultural Society on Jan. 25 by J. H. Murray of the Board of Managers, concerning the damage caused by the storm of Dec. 18, 1915, on which date New Haven and vicinity was visited by one of the most severe storms in many years, very heavy, wet snow, with a gradual drop of temperature to about 15 degrees above zero, and a wind velocity of 62 miles per hour—which was mainly responsible for the great amount of injury done to trees and shrubs, more especially of the evergreen or coniferous type, working complete ruin in many cases and partial injury to nearly all the coniferous trees in this locality. The tops of many fine specimen pines, spruces and hemlocks were broken completely off and in numerous instances the trees themselves levelled, but the ground being only slightly frozen where the trees had been uprooted and not otherwise damaged beyond restoration, it was possible to replace them in their original position without much difficulty or loss.

The Scotch pine, white spruce and hemlock spruce appeared to have suffered most in this class, no doubt owing to the brittleness of their woods. Deciduous shrubs were laid low in great numbers, including the privet and barberry hedges, but after the snow had melted off (in about a week), they again assumed an upright position. Among the chief sufferers in this division were the lilacs, bush honeysuckles and particularly the smoke tree (*Rhus cotinus*). Rhododendrons in exposed situations were badly hurt, especially when planted in large masses and where the tops were of a uniform height, acting as a roof for the snow.

Many large deciduous trees were completely uprooted in the gale and, but for the splendid work in removing the many decayed and mutilated trees within the city by City Forester Cromie and Park Superintendent Amrhyh during the past few years, the great amount of damage would have been much more evident. Trees like the wide spreading black and white oaks, the elm and white poplar, owing to their outlines, their long horizontal lines predominating, caught the brunt of the storm more than other species. The snow and ice accumulating on the branches and limbs made them top heavy and an easy prey to gales. In deciduous and coniferous trees, the more conical forms of the pin, oak and arbor vitae are types to withstand the same character of storm.

While hedges assumed an upright position in a few days, many of them—especially privet hedges trimmed square or rectangular—cannot be as good as formerly unless severely pruned. The advantage of the "A" shaped hedge was emphasized by the resistance of its form. The tying in of coniferous trees like arbor vitae, retinospora and juniper was likewise of great benefit.

The regular meeting of the Cincinnati Florists' Society will be held on Monday, February 14th.

## During Recess

### GARDENERS' AND FLORISTS' CLUB OF BOSTON

The Annual Banquet and Dance of The Gardeners' and Florists' Club of Boston took place at the New American House on Wednesday evening, February 9, about three hundred members and ladies being present. The tables were profusely adorned with the best products of the private and commercial establishments in this section and, with the evening costumes of the ladies, the scene in the banquet hall was brilliant in the extreme. There was an excellent menu, well served, and plenty of inspiring music.

President Methven spoke a few welcoming words and then in the role of toastmaster called upon W. P. Rich, who as secretary of the Massachusetts Horticultural Society, expressed the greetings of that body, referring pleasantly to the cordial relationship existing between the two organizations and to the development of the fine art of gardening through their influence. Wilfrid Wheeler, secretary of the State Board of Agriculture, was next called upon. He spoke proudly of the achievements of Massachusetts at the San Francisco Exposition and emphasized the possibilities of the rehabilitation of the former agricultural industries of the State.

W. N. Craig promised on behalf of the Association of Gardeners, of which he is president, cordial cooperation on the part of that organization with the Society of American Florists and all other bodies working for horticultural advancement.

President Stickel of the Flower Exchange and Vice-President John Macfarland of the Cooperative Market spoke glowingly of the progress of their respective institutions. Wm. Patterson, vice-president of the Club, was the last speaker, following which the company repaired to the ball room where dancing was enjoyed until a late hour.

During the evening, entertainment was provided in songs by C. E. Tasker, Miss Barbara Mayer, Raymond Pugh, pianist, and humorous talks by Mr. Stowe.

### Boston Florist Bowling.

Flower Mkt.	1274	vs.	Carlone	1219
Flower Ex.	1209	vs.	Robinson	1263
B. C. F.	1319	vs.	M. & M.	1220
B. C. F. & C.	1408	vs.	Gulvin	1388
STANDING AS TO POINTS				
Gulvin	41	19	B. C. F. & C.	27
Flower Mkt.	40	20	Flower Ex.	24
Carlone	36	21	Robinson	23
Zinn	31	20	M. & M.	15

Aronson, of the B. C. F. team, put up the record in the league by rolling 140 single string and 342 total.

The trophy cups are on display this week at Comley's, Park street.

The annual ball of the Greek-American florists of New York will take place on Thursday, February 24.

Tuesday evening, February 15, will be "Carnation Night" at the Gardeners' and Florists' Club of Boston.

## CATALOGUES RECEIVED.

W. W. Wilmore, Denver, Colo.—  
Dahlia List for 1916.

John H. Umpleby, Lake View, N. Y.—  
List of Derby Gardens' Gladioli.

C. A. Perley, Winthrop, Me.—1916  
Garden Annual, Seeds, Plants, Apple  
Trees.

Ross Brothers, Wichita, Kansas—  
Seed Book for 1916. Covers in colors.  
112 pages.

Weeber & Don, New York—General  
Catalogue for 1916. Covers panelled  
in color pictures.

L. E. Williams, Exeter, N. H.—1916  
Price List of Collected Native Trees,  
Shrubs and Plants.

F. E. Conine Nursery Co., Strat-  
ford, Conn.—General Catalogue, Fall  
1915 and Spring 1916.

John Connon Co., Hamilton, Ont.—  
Wholesale Price List of Plants, Bulbs,  
Trees, Perennials, etc.

L. E. Williams, Exeter, N. H.—  
Price List of Collected Native Trees,  
Shrubs and Plants, 1916.

Frederick Roemer, Quedlinburg,  
Germany.—Special Offer of Extra  
Choice Flower Seeds for 1916.

Breck-Robinson Co., Lexington,  
Mass.—Illustrated Special Price List  
of Gladioli, Cannas and Dahlias.

Wm. Elliott & Sons, New York City  
—1916 List of Flowers, Vegetable and  
Agricultural Seeds, for the trade only.

Thomas J. Grey Co., Boston, Mass.  
—General catalogue for 1916. Flower  
and vegetable seeds, plants and im-  
plements.

Thornton Brothers, Lawrence, Mass.  
—1916 Illustrated Catalogue of "Sure  
Crop," Seeds, etc. Covers adorned  
in colors.

Kelly Brothers, Danville, N. Y.—  
Wholesale Nursery Catalogue for  
1916. Luscious apples in full color  
used as cover attractions.

W. E. Marshall & Co., New York.—  
Marshall's Seeds, New York. Not  
over-illustrated but full of "meat"  
and a model "silent salesman."

Henry Eckford, Wem, Shropshire,  
Eng.—Seed Catalogue for 1916. D.  
W. Roberts, Fredericton, New Bruns-  
wick, is North American agency.

W. Atlee Burpee & Co., Phila., Pa.—  
Burpee's Annual for 1916. The Plain  
Truth About Seeds that Grow. 186  
pages of inspiration for the garden  
enthusiast.

Wagner Park Nursery Co., Sidney,  
Ohio.—"Wagner Park Flowers." A  
fine illustrated list of garden mater-  
ial, mainly hardy. Covers bright in  
roses and mallows.

George H. Mellen Co., Springfield,  
Ohio.—1916 Catalogue of Florists'  
Plants and Seeds. Portraits of  
Ophelia rose and Easter Greeting  
show pelargonium on covers.

W. W. Johnson & Son, Boston.

## USED BY FLORISTS OVER 30 YEARS



PAN-PACIFIC PRESS ASSOCIATION, LTD.

San Francisco, Calif.

October 16, 1915.

Mr. Benjamin Hammond, Beacon, N. Y.

Dear Sir: The Horticulture Jury, of which the writer was a member, awarded you a Gold Medal for your Insecticides, and when you take into consideration the fact that that Jury, outside of the writer, was composed of some of the famous experts of the world, you will realize the importance of this award. Verification of this may be obtained from Mr. George A. Dennison, Chief of Horticulture, Panama-Pacific International Exposition.

The writer has been requested to furnish a list of the articles which the Jury endorsed by their action in awarding prizes because of merit. This request comes from representatives of foreign countries and states.

Respectfully yours,

Signed: J. A. BUCHANAN, Gen. Mgr.

Pan-Pacific Press Association.

PANAMA-PACIFIC INTERNATIONAL EXPOSITION

San Francisco, Calif.

Division of Exhibits Office of the Chief  
DEPARTMENT OF HORTICULTURE

November 3, 1915.

Mr. Benjamin Hammond, Beacon, N. Y.

Dear Sir: Replying to your letter of October 28th, I wish to say that the Jury awarded Slug Shot, Grape Dust and Copper Solution a Gold Medal.

Yours very truly,

Signed: G. A. DENNISON,  
Chief of Horticulture.

**Sold by the Supply Houses of America**  
**BENJAMIN HAMMOND, BEACON, N. Y.**

England.—1916 Wholesale Trade Catalogue of Vegetable, Flower and Farm Seeds, Sweet Peas and Potatoes. Contains an interesting special list of new varieties.

Vaughan's Seed Store, New York.—1916 Catalogue of Vegetable and Flower Seeds, Bulbs, Roots, etc. A very comprehensive book of 160 pages, illustrated throughout and in attractive floral cover dress.

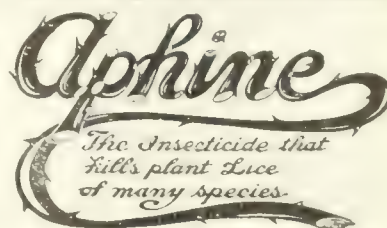
A. T. Boddington, New York—Garden Guide, Spring 1916. A very attractive and complete publication. *Dimorphotheca aurantiaca* is used as a cover illustration quite effectively and with artistic success.

MacNiff Horticultural Company, New York.—1916 Catalogue of Vegetable, Flower and Grass Seeds and Seedsmen's Sundries. A model catalogue, finely illustrated and attractively made up. Cover in pale blue embossed in white and gold. Full of enterprise and the push that wins.

William Tricker, Arlington, N. J.—Water Lilies and Water Garden Plants. Mr. Tricker's specialty is well known to the readers of *Horticulture* and his catalogues will find among them many interested enthusiasts. Beautiful *Nymphaea* portraits in natural colors illumine the covers.

Carter's Tested Seeds, Inc., Boston, Mass.—Carter's American Catalogue of Garden and Lawn Seeds for 1916. An American edition of the James Carter & Co., London, England, annual publication, quite unique in its

way and especially seductive in its sixteen pages of garden flowers shown in their natural colors. Excellent typographically throughout.



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$4.50.

### NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

Quart, \$1.50; Gallon, \$4.50.

Until further notice shipments on our products FUNGINE, VERMINE and SCALF will be subject to conditions of the chemical market.

Prompt shipments can be guaranteed on APHINE and NIKOTIANA.

**Aphine Manufacturing Co.**  
MADISON, N. J.



**NIKOTEEN**  
For Spraying  
**APHIS PUNK**  
For Fumigating  
Ask Your Dealer For It.  
**NICOTINE MFG. CO.**  
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Est. 1765

Pot Makers for a  
Century and a Half**HEWS****STRONG  
RED  
POROUS****POTS**

Inc. 1904

World's Largest  
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.  
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue  
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:  
CAMBRIDGE, MASS.  
NEW YORK, N. Y.**KING**The name that assures "the  
most for the money" in**GREENHOUSES**Write for Bulletin No. 47  
and you will see why.**KING CONSTRUCTION CO.**

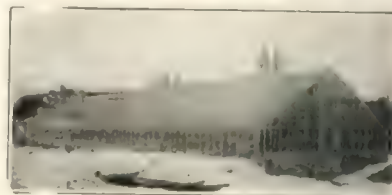
28 King's Road, N. Tonawanda, N. Y.

**GLASS****Greenhouse Material  
Hot Bed Sashes**Our prices can be had by mail, and  
it will pay you to get them. We carry  
the largest stock of Specially Selected  
Glass in Greater New York and can  
supply any quantity from a box to a  
car load on a one day notice, and at  
Rock Bottom Prices.**PARSHELSKY BROS. Inc.**

215-217 Havemeyer St., Brooklyn, N. Y.

**DREER'S**Florist Specialties,  
New Brand, New Style.  
Hose "RIVERTON"  
Furnished in lengths up  
to 100 ft. without seam or  
joint.**The HOSE for the FLORIST**3/4 in. h., per ft., 15 c.  
Reel of 500 ft., " 14 1/2 c.  
2 Reels, 1000 ft., " 14 c.  
1/2 in. h., " 13 c.  
Reels, 500 ft., " 12 1/2 c.Connections furnished  
**HENRY A. DREER,**  
714 Chestnut St.,  
PHILADELPHIA, PA.**GREENHOUSES BUILDING OR  
CONTEMPLATED.**Stoneham, Mass.—E. R. Farr, house  
40 x 200.Catonsville, Md.—Henry H. Seidlich,  
one house.Niles Center, Ill.—George Weiland,  
range of houses.Garrettsville, O.—H. J. Alford Co.,  
two houses in the spring.Chicago, Ill.—National Plant & Flow-  
er Co., two houses each 25 x 122.Portland, Ore.—J. B. Pilkington,  
Durham Station, lath house 44 x 144.Philadelphia, Pa.—Aschmann Bros.,  
Bustleton avenue and Cottman street,  
range of houses in the summer.**PATENTS GRANTED.**1,170,402. Flower Box. Thomas  
P. Bolger, Gloucester, Mass.1,170,292. Grass Trimmer. Cor-  
nellius Cassidy Lippen, Philadelphia,  
Pa.**Flower Market Reports***(Continued from page 229)***WASHINGTON**There was a marked improve-  
ment in the condi-  
tion of the market last week for the  
several cold days shortened the sup-  
ply of flowers of all kinds and made  
the demand somewhat better. Carna-  
tions are again at \$4 per hundred.  
Lily of the valley is quite plentiful  
and the same may be said of cattleyas  
for the price on the latter is about \$4  
per dozen. American Beauty roses  
remain very scarce with hardly  
enough to go around. Single violets  
constitute an oversupply and the price  
in quantities is very low. Freesia has  
also dropped in price. Narcissi and  
tulips are much improved in quality.**VISITORS' REGISTER.**Philadelphia—Antoine Leuthy, Ros-  
lindale, Mass.St. Louis—J. Pollworth and Guy  
Reyburn, Chicago; J. J. Karins, re-  
presenting H. A. Dreer, Phila.; Wm  
Ward, Dundee, Ill.Boston—James Meiklejohn, repre-  
senting McHutchison & Co., New  
York; Louis J. Reuter, Westerly, R. I.;  
J. S. Hay, representing H. A. Dreer,  
Philadelphia; and representatives of  
several bulb houses.Cincinnati—Milton Alexander, New  
York; Leo Henman, Chicago; J. Laud-  
mann, representing the Basket Im-  
porting Co., New York; Mrs. Blake,  
Springfield, Ohio; Warren Huckle-  
berry, North Vernon, Ind.Washington, D. C.—Mr. and Mrs.  
George W. Evenden, Williamsport,  
Pa.; A. Hans, Belgium; D. Krouwel,  
Sassenheim, Holland; Bernard Ryn-  
veld, Hillegom, Holland; John Busch-  
man, representing Hugo Van Graven  
& Sons, Lisse, Holland.Chicago—Mr. and Mrs. A. F. Ander-  
son, Buffalo, N. Y.; Blaine Wilcox,  
Council Bluffs, Ia.; Wm. R. Nichol-  
son and S. J. Goddard, Framingham,  
Mass.; John Evans, Richmond, Ind.;  
A. Roper, Tewksbury, Mass.; C. S.  
Strout, Biddeford, Me.; E. Saunders,  
Lewiston, Me.; Alex J. Guttman, New  
York; Harry Ball, Helena, Montana;  
Sam Seligman, New York; E. J. Fan-  
court, representing Pennock-Meehan  
Co. Phila.**OBITUARY.**

Carlman Ribsam.

Carlman Ribsam, a well known Tren-  
ton, N. J., florist, died at his home,  
Jan. 30th, aged 79 years. He was born  
in Germany and came to this country  
in 1855. In 1874 he opened a flower  
store at 45 E. State street. He retired  
from active business twelve years ago.  
He is survived by three sons.*This picture was taken right after a  
blizzard, and proves conclusively that  
our style of construction is positively  
ice-clearing.*This full iron frame, curved eave  
**JACOBS' GREENHOUSE**, was com-  
pletely erected, including ventilation  
and heating system, by our own ex-  
pert mechanics, for Mr. Chas. Bradley  
at Convent, New Jersey.This greenhouse is 25 x 85 ft., and has  
a partition in the middle, making two  
distinct and separate compartments,  
with separate heating systems, so that  
different temperatures may be main-  
tained in both sections.**WE KNOW WHAT TO DO  
AND WHAT NOT TO DO**If you contemplate building a  
greenhouse write us—we can  
save money for you.**S. JACOBS & SONS**

Greenhouse Builders

1359-1385 Flushing Ave.,

BROOKLYN, N. Y.

**PATENTS**Trademarks and  
CopyrightsDifficult and rejected cases spec-  
ially solicited. No misleading in-  
ducements made to secure business.  
Over 30 years' active practice. Ex-  
perienced, personal, conscientious  
service. Write for terms. Book  
free. Address,**SIGGERS & SIGGERS**

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.**STANDARD FLOWER  
POTS**If your greenhouses are within 500  
miles of the Capitol, write us, we can  
save you money.**W. H. ERNEST**

28th &amp; M Sts., Washington, D. C.

When writing to advertisers kindly  
mention **HORTICULTURE**.



## A PROMINENT CARNATION GROWER SAYS THIS ABOUT THE STANDARD RECORDING THERMOMETER

Lancaster, Pa.

Standard Thermometer Co.,  
Boston, Mass.

Gentlemen:

Please send me 25 record plates like the enclosed sample, and I want to say that the machine, bought a good many years back, is keeping up its good work right along. I think it a very useful adjunct to good plant growing, and it should be in every greenhouse, as reference to it may often tell what is wrong with a batch of plants.

Very truly yours, ALBERT M. HERR.

The actuating element of the Standard Recording Thermometer is of lamina metal which, besides being extremely sensitive to temperature changes, is practically indestructible. Record charts are furnished either daily or weekly, and the whole mechanism is contained in an attractive metal case fitted with lock and key, which insures the record from being tampered with.

The clock movement is of extremely high grade; everything about the instrument is up to the highest possible standard of manufacture.

Write for full particulars to the

### STANDARD THERMOMETER CO.

65 Shirley Street, Boston, Mass.

CHART 8" DIAMETER

Price, \$25.00

Daily, No. 3,  
-20° to +120°  
Weekly, No. 2,  
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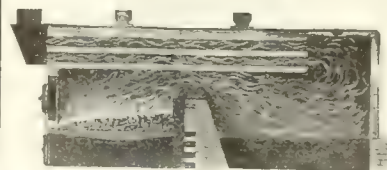
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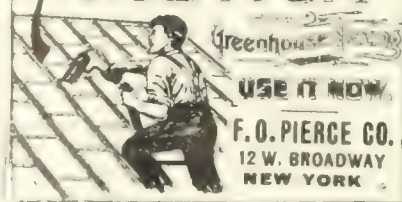
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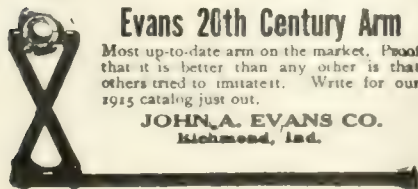
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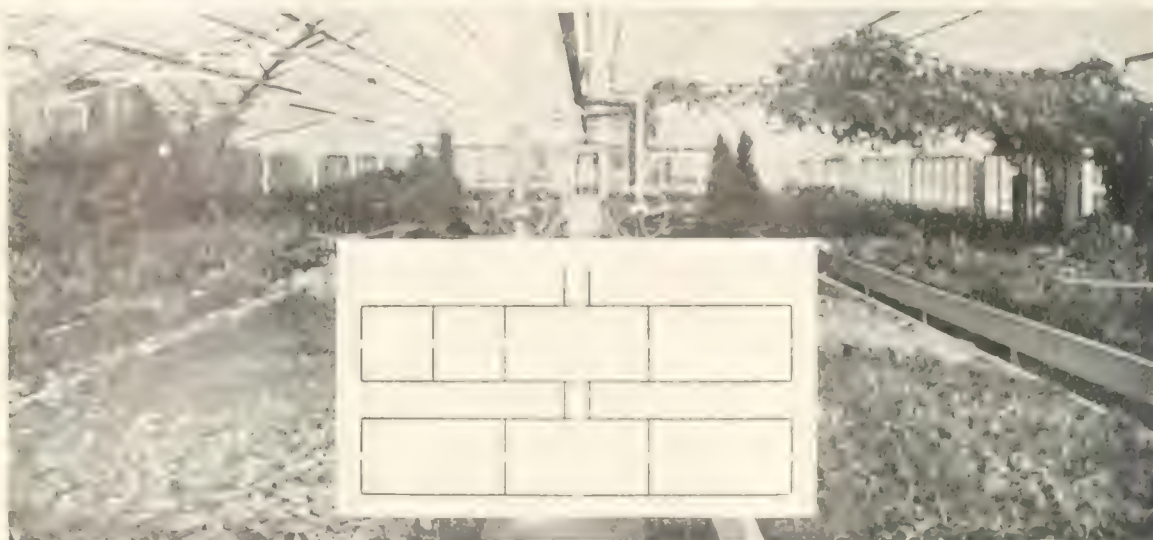
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Vol. XXIII  
No. 8  
FEB. 19  
1916

# HORTICULTURE

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### CITY OF PORTLAND.

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	4 in.	6 in.	7 ft. Bed		10 ft. Bed		10 ft. Bed		10 ft. Bed	
	7-Cannas									
	Re.	Pls.	Re.	Pls.	Re.	Pls.	Re.	Pls.	Re.	Pls.
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ROSEA GIGANTEA	.80	1.00	1.90	2.50	3.75	5.00	9.00	12.00		
METEOR, R. & W.	.52	1.00		3.90	3.75	7.50	15.00	18.00		
BEACON, R. & W.	.25	1.50	3.25	3.90	6.25	7.50	15.00	18.00		
KING HUBERT, Orange		1.00		2.50		5.00	9.00	12.00		3.00
PILLAR OF FIRE, Crimson		1.00		2.50		5.00	9.00	12.00		2.00
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SOUV. DE A. CROZY, B.		1.00	1.90		3.75	5.00	9.00	12.00		
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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Proverb*.

## Acalyphas

For boxes, vases, subtropical bedding, mixed border or for the decoration of the show house or conservatory, the acalyphas have but few equals. *Acalypha Macaefea* has ability to stand the winds better than most coleuses. It also stands well in good condition in the late summer and fall. To have nice plants in 4 or 5 inch pots for setting out by the last of May or the first week in June shorten back the tops of stock plants and place them now in a temperature of about 65 degrees at night on a light sunny bench. With a moist atmosphere and abundance of syringing they will soon push a number of young growths that will root where there is a good bottom heat. When they are fairly well rooted they should be potted into 2½ of 3-inch pots using good fibrous loam well enriched. They like plenty of heat.

## Amaryllis

Place these plants well up to the glass so they will not become drawn. Keep a temperature of from 60 to 65 at night with 10 to 15 higher with sun. Give ventilation on all good days, but do not let it lower the temperature. As the amaryllis spikes advance, some liquid manure may advantageously be given, using it in moderate doses only, at intervals of four or five days. Amaryllises enjoy a little bottom heat and always seem to thrive better where they can be plunged in leaves, cocoanut fibre or some other material. Where the spikes are to be cut it is better to do this before the first flower becomes fully expanded; when fully opened they are not easily packed without damage. Seedlings sown early in the year should be potted off singly into 2½-inch pots when they show their second leaves. Use a light compost containing two-thirds leafmold at the first potting.

## Orchids

All orchids will now begin to show renewed root action and growth so do not defer repotting much longer. Just before they make too much growth is the best time for repotting or top-dressing most orchids. The best material is either fibrous peat or fern fibre and sphagnum moss, with charcoal and crocks for good drainage. After being potted they should be frequently syringed and have abundance of moisture about the house; in fact the benches and floors should never be dry. Make it a rule that when the proper temperature has been reached ventilation will be in line, but keep any cold draughts from the new growths. Keep in mind that over-watering is very injurious to all orchids.

## Schizanthus

Now is a good time to make a late sowing of this beautiful annual. Sow thinly in pans or flats and transplant just as soon as they can be handled. Always grow as near glass as possible or they will get badly drawn. While schizanthus is tender and easily injured by frost they on the other hand cannot tolerate a warm greenhouse and flowers grown in a high temperature are

vastly inferior, so see that they are kept in a cool house of about 45 degrees. But in order to forward plants a few of the more advanced can be given a sunny airy house with a minimum temperature of 50 degrees. These are quite thirsty subjects and once their receptacles are full of roots, want as much water as chrysanthemums, with weak liquid manure, in addition, every third or fourth watering. Keep shifting them until you have them in their flowering sizes of 5, 6 or 7-inch pots. They like a compost of fibrous loam four parts, leaf mold and cow manure one part each and a little sand.

## Start for Next Christmas

All good growers know that during January and February we should make our new start for next Christmas. People seem to be more anxious to use flowers as gifts and a plant in flower displayed in a neat basket or hamper makes an ideal Christmas offering. More and more is Christmas becoming a great day for the man who specializes in pot plants. People don't seem to mind paying for it and we all should try to prepare enough stock which can be sold at a reasonable price, such as begonias, camellias, cyclamen, primulas, etc.

## Sowing Musa

Few subjects equal the musas for decorative landscape effect during the summer months. Soak the seeds in water at about 100 degrees for 48 hours. A good plan is to put them in water of this degree of heat in a pan and place on the hot water pipes. They can be sown in a mixture of fibrous peat, leaf mold and silver sand in equal parts. When large enough to handle pot off into the same mixture. Keep growing in a temperature of about 65 degrees.

## Lily of the Valley Pips

Mr. J. J. M. Farrell:

Dear Sir:—Please inform me if lily of the valley pips that are planted in the spring and taken up in the fall and put in benches, will bloom again in winter

Arctic, R. I.

M. REGAULD.

It is not possible to make lily of the valley a paying crop by lifting clumps in the fall and planting them on benches. It has been tried but always ends in failure. The largest and most successful growers of this dainty little flower use pips that have strong well-developed crowns that have completed their growth where the climate permits of early maturity. While the winter is the natural cold storage for the pips that give us the flowers from the middle of January to possibly the end of May, for the other seven or eight months we must depend on those whose growth has been arrested by cold storage. It would be possible to use lifted clumps during April, but in the end it would be found cheaper and better to use imported pips as these are never so good as the imported pips. Where you want to depend on spring lily of the valley it is better to grow under frames outside. Just place some frames over the plantation in March and bring them along successfully.

Next Week:—Calceolarias; Palms; Propagating Violets; Sowing Seeds of Tender Aquatics; Sweet Peas; Compost for Transplanting Seedlings.

## ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur C. Ruzicka*

Questions and answers will be received on this page will be cordially received and promptly answered. Such communications should invariably be addressed to the office of HORTICULTURE.

### Lining the Boxes for Shipping

The cooler, clear weather mentioned last week, developed into a great change from two weeks ago, and it is well to see that the boxes are lined accordingly. Frozen roses are not only a loss to the grower but to the wholesaler as well, to say nothing of the disappointment to the retail store that may have been waiting for the shipment. Paper is cheap—much cheaper than roses—and it pays to use plenty of it during this severe weather. See that the corners of all boxes are well lined as it is here that most of the cold comes in, as the ends of the boxes are always sticking out of the delivery wagons. The tops and bottoms and sides will not suffer so much as these are generally protected by other boxes piled on top and a blanket over the topmost. Paper boxes are much warmer than the old wooden ones, and will not have to be wrapped on the outside unless the wind is blowing very strong and the weather very severe. Wooden boxes are much colder and had better be wrapped with heavy wrapping paper, putting several thicknesses of newspaper under this. As in lining boxes, make sure the corners are well protected by careful folding, and see that the boxes are tied securely so that they will not go to pieces as soon as the express man looks at them. With cold weather, snow and ice, trains are bound to be a little late and all the men anxious to get out of the weather, so that the roses will be handled very quickly and often very roughly. Pack the blooms carefully and see that the roses cannot slide all over and shake up and down. A box of damaged Beauties may lose 40 or 50 dollars to the grower, while ten cents' worth of paper and a little time might have saved it.

### Watch Heavy Snows

During a heavy snow storm it is well to see that the snow does not pile up in front of the houses as it rolls off the roof. It is here that the trouble usually begins, and if the front of the houses is not kept cleared the snow will soon pile up so that it will be impossible for that on the roof to slide down and it will start piling up until some damage is done especially in some of the old houses. It is very unpleasant work to go out in the storm but the effort is well worth while. Where the houses are connected with a gutter in the center see that the snow pipe is started as soon as it starts to snow, and not when the snow is piled up high between the ridges. Do away with it as fast as possible. Often the snowfall will not amount to anything or will turn to

rain, but there is no way of telling and it is best not to take any chances. We have had a very mild January, and that as a rule means a severe February, but this is better than to have blizzards in March and April.

### Keep Boiler Flues Clean

All boiler flues should be cleaned at least twice a week during this severe weather. If this is not done a good deal of coal will be wasted as it will take just so much more heat to go through the thick coat of dirt that sticks to the flues and fire passages of the boilers. A piece of rag tied to a stick will do a good deal of work and do it better than most brushes, in sectional boilers. Tubular boilers need brushes of course but if these are taken care of they will last a long time and will more than pay for themselves with the coal they save. The way most boilers are built it is a very simple matter to clean the flues even with the fires going. However, there are times during the day that the boilers are not used and the cleaning can be done very nicely. If the place is large enough to have a night man and a day fireman these men will take enough interest in their work to keep the boilers clean. If they do not they should be stirred into action by the management and if necessary more help given, as with the large boilers it takes two good men to handle one of the brushes properly. Also see that the ash-pits are kept clean all the time, for grates cost money. Now is the time to note where the ash-pits are not deep enough to take the ashes for twenty-four hours, and these should be deepened unless it is impossible because of water or some such drawback.

### Propagation

If there is still a shortage of plants, see that the propagator is kept going all the time now, as April will soon slip around to us and it will be a little more difficult to control the temperatures in sand and above the cuttings. Although it is not impossible to root cuttings in April we like to get all in before the middle of March so as to have the work out of the way before the rush of spring work. As fast as the cuttings root see that they are potted, for as soon as they have roots they cease to be cuttings and become plants, and a bench of sand is no place for them. Then too they are open to attack by any number of fungous visitors and the quicker they get into soil the better. Make sure that all dead cuttings, tops of leaves, etc., are removed from the sand as the cuttings are taken out, if the sand is to be used again, as this vegetable matter will make excellent food for the wrong kind of bacteria and fungus to breed from and live on. Keep the sand clean.

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CITY THAT PAYS.

# HORTICULTURE

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### An institution which stands for something

The Report of the Proceedings of the Thirty-first Annual Convention of the Society of American Florists and Ornamental Horticulturists has just been received from the Secretary's office. It is a book of 376 pages of interesting matter, giving in detail the story of the year's work in the national society, including the doings at San Francisco. The list of members in good standing contains the names of 407 life and 1224 annual members. As we glance over these names we are impressed with the significant fact—one which we wish every young man engaged in any floral or horticultural industry should take note of—that the majority of the men who have attained prominence in horticultural and floral circles in this country are enrolled as members in the Society

of American Florists—some of them for many years and, of these, many dating their best success in their chosen field from the time when they began to participate in the activities of that organization. No one aspiring to eminence and success in his work can afford to have his name missing from the list of his fellows who have identified themselves with an organization so useful. Even if one can but rarely attend its conventions, still membership in the S. A. F. is an asset for the holder, worth many times its cost, a certificate of character that should not be underestimated, for a man is generally sized up according to the sort of company he keeps. If advancement is to be made the man of tomorrow must be better than the man of yesterday or the man of today; if not, his efficiency and his chances for success will measure low in comparison with the standards set by his more intelligent and progressive fellows. To a young man imbued with the right purpose and spirit to go ahead, affiliation with an organization which can count in its ranks the leading men in their class as our great national society unquestionably does, cannot but serve as a healthy stimulant and practical helper.

### The status of the carnation

The "divine flower" is or should be at this time of the year at its best and accordingly has been given the place of greatest prominence as a subject for inspection and discussion at a number of local club and society meetings recently. Everywhere there seems to be an undercurrent of feeling that the carnation is not under present conditions making the best of its opportunity as a commercial flower. Just why this is so has been for some time a subject of discussion wherever the craft gather together. Some have been temporarily carried away and their misgivings allayed by the remarkably strong market enjoyed by the carnation in common with other flowers during the greater part of the present winter. But, while it is true that those growers who had carnations to cut during the months of December and January had every reason to rejoice over their market experience, yet this good fortune is recognized as having been largely due to a succession of peculiar conditions in which the distinctive popularity of the carnation could hardly be called a factor and specialists in this flower are not slow to express concern as to its relative position in the market. The frequency and seriousness with which this important subject is being considered and discussed by the leading carnation growers is, however, an encouraging augury and gives assurance that adequate ways and means for correcting defects and conserving the best interests of the carnation as a "people's flower" will be zealously followed up. HORTICULTURE's views as to what quality is most to be desired and fostered in the present stage of carnation development has been repeatedly expressed. We would simply reiterate here our conviction that, if the popular favor for the carnation is to be effectively stimulated, then all other considerations can wisely be subordinated to the one outstanding question of restoring to the flower that long-keeping character which counted for so much in its old-time prestige with the people, more especially those of the middle classes by whom the carnation was held in high esteem for its intrinsic value. One happy result of the test of lasting quality in the exhibits at Cleveland last fall was to show that neither goodly size of bloom, nor reasonable distance of shipment injuriously affects the lasting qualities of a carnation. The why of sleepy flowers plainly must be sought in other directions.



## ANNUAL BANQUET GARDENERS' AND FLORISTS' CLUB OF BOSTON.



points, same conditions as previous. Arawana, crimson, by A. N. Pierson, Inc., 85 points. Alice, by A. N. Pierson, Inc., thanks. Mrs. J. F. Marsden, lively pink, by Fowler Marsden, Far Rockaway. Red Wing, by W. A. Dawson, 85 points. Improved Enchantress, by Peter Beurlein, thanks. P. W. Popp, Roman hyacinths. Mrs. J. F. Marsden, Nancy and Old Gold appeared to have suffered from frost in transit and the judges expressed a desire to see them under more favorable conditions.

## CHICAGO TO MOLINE.

## Illinois State Florists' Convention.

At the February meeting of the Chicago Florists' Club the Rock Island Railroad was selected as the route to the annual convention and exhibition of the Illinois State Florists' Association, to be held at Moline, March 7-8, the members leaving the Rock Island station on Train No. 7, Tuesday, March 7, at 10 A. M., due at Moline 1.53 P. M., the opening business session being called for 2.00 P. M. that day. The one-way fare is \$3.58. There are no party or other special rates on this trip.

Other Rock Island trains for those who can not leave on the club train are as follows: Leave Chicago 3.45 P. M., due Moline 8.15 P. M. Leave Chicago 6.00 P. M., due Moline 10.03 P. M. Leave Chicago 1.30 A. M., due Moline 5.55 A. M. Lower berths are \$1.50, upper berths, \$1.25.

Some inconvenience may be avoided by securing round-trip tickets of W. D. McFarland. Passenger Agent, 50 West Adams street. Mr. McFarland will reserve seats for those who secure their tickets in advance.

MICHAEL PARKER.

Chairman Transportation Committee.

## HORTICULTURAL SOCIETY OF NEW YORK.

The monthly meeting and exhibition held in The Museum of Natural History on February 16 was a success and considering the arctic weather and its effect on frail humanity the event was more than what the average success means and the members of the Society, who are doing splendid missionary work, can well feel proud of their achievement.

There was a most creditable table of cut orchids. James Stuart won 1st on collection; J. W. Smith 2nd. A. J. Manda got 1st on his fine display and Clement Moore 2nd. Joseph Tiernan won special for three vases of cattleyas. Lager & Hurrell were also awarded a special for their display. Cattleyas predominated in all the above. P. W. Popp was there as usual with finely grown roses getting 1st on vase of 25; James Stuart 1st on 50 Killarney Queen and J. W. Smith 2nd; special to Fred Huyler for Hoosier Beauty. Not the most valuable by a long way, but by far the most meritorious exhibit at the show was the vase containing 100 sprays of Rose Queen sweet peas shown by Geo. Masson—they were very beautiful; 2nd went to J. W. Smith. Bobbink & Atkins deservedly won a silver medal for a display of spring flowers in pots. Anton Bauer was 1st on freesia, E. Yeandle 2nd; special to Arthur Golding who also got a special for 3 spikes of lilies, and specials for bulbous flowers to Arthur Golding's Golden Spur; J. W. Smith for carnations; James Stuart for Buddleia. 1st to J. W. Smith for white antirrhinum and 2nd to Anton Bauer for yellow. The greatest treat was an illustrated lecture on "Iris

Gardens" by Arthur Herrington. Beautiful colored pictures and enchanting views of American and old-country gardens where Iris reigns along with practical portrayal and a fund of useful information eloquently put, made Arthur Herrington's lecture on the Iris family a great treat.

J. IVERA DONLAN.

## HOLYOKE AND NORTHAMPTON FLORISTS' AND GARDENERS' CLUB.

A meeting of this club was held Feb. 8, with E. J. Canning, Northampton, and members turned out in good number. It was decided to change the meeting night henceforth from the second to the first Tuesday. On behalf of the members, G. H. Sinclair presented James Whiting with a gold stick pin, in appreciation of his good work as secretary for the past four years.

Instead of the usual essay, each member was asked to bring a question on a slip of paper. These were shuffled and drawn and five minutes allowed for each answer. The plan was a great success; each member had to think something and the questions asked were real live ones which uncorked much useful information. Exhibits of good quality added greatly to the interest of the meeting.

F. D. Keyes & Son staged a vase of Carnation Gorgeous and a large specimen cyclamen. G. H. Sinclair brought a fine spike of Clivia miniata and vases of sweet peas Mrs. Sim and Christmas Pink. D. J. Gallivan showed a fruiting plant of Ficus pandurata and H. E. Downer hyacinths La Grandesse and cyclamen.

H. E. D.

# LAURA WEBER

Growers!!!

We have been selling Carnation Laura Weber for several years. It is a high class variety and always sells for above top market price. Won Bronze Medal at St. Louis Carnation Convention, 1910. You will make no mistake in trying it at least a few hundred next season.

\$1.00 per 100, \$100.00 per 1000

Color true. Deep salmon pink, large bloom, strong stem, excellent keeper and shipper.

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# ROSE (MADAME PAUL EULER)

## PRIMA DONNA

PLANTS READY.

\$15.00 per 100

\$12.50 per 1000.

ORDER EARLY

The Florex Gardens Strain

Prima Donna is a money maker!

Early Lavender

Pink Chrysanthemum

Alex. Guttman

Many growers shouldn't be without this one.

Rooted cuttings or pot plants 50c each, \$5.00 per doz., \$45 per 100.

### "NOVELTY NIGHT" AT CHICAGO.

The annual "Novelty Night" which has become an important event with the Chicago Florists' Club, took place Feb. 11th and was a great success. The exhibit and meeting took place at the Morrison Hotel, when most of the business was suspended and the display of new varieties of roses, carnations, plants, etc., held first place. The exhibition included the following:

Novelty freesias, by Alois Frey, Crown Point, Ind.; Purity freesia, W. H. Amling, Maywood, Ill.; Carnations Aviator and Superb, J. D. Thompson Carnation Co., Joliet, Ill.; Carnation Alice, C. C. Polliworth, Milwaukee, Wis.; Hoosier Beauty and Tipperary roses by E. G. Hill, Richmond, Ind.; Roses, Dark Russell and Mrs. Bayard Thayer, by Waban Rose Conservatories, Natick, Mass.; Carnations, seedling No. 125-11, Nancy, Rosalia and Old Gold, by F. Dorner & Sons Co., La Fayette, Ind.; red seedling carnation No. 3010, John A. Then, Chicago; seedling carnation No. 2124, Henry Symonds, Decorah, Iowa; carnation Belle Washburn, Bassett & Washburn, Chicago, Ill.; Fire flame roses, Geo. Welland, Evanston, Ill.; Canna Firebrand, Vaughan's Seed Store, Chicago, Ill.; carnation seedlings from Floriculture Dept. University of Illinois, Kirrett Bros., Morton Grove, Ill., and Mt. Greenwood Cemetery Association, Morgan Park, Ill.; carnations Merry Christmas and Polyanna, from Baur & Steinkamp, Indianapolis, Ind.; primu-

las from Fred Lemon & Co., Richmond, Ind.; violets from M. C. Gunterberg; cyclamen blooms from E. Rober, Willmette, Ill.; blooming plants from A. H. Schneider, Oak Park, Ill.

The judges were as follows: Roses—George. Wienhoeber, George Schuman, Emil Reichling. Carnations—Fred H. Lemon, C. W. Johnson, H. B. Dorner. Plants—W. A. Manda, W. E. Tricker, H. N. Bruns.

E. G. Hill read a paper on roses which was greatly enjoyed and he was the recipient of a rising vote of thanks. Out of town visitors were C. C. Pollworth, Milwaukee, Wis.; H. B. Dorner, Urbana, Ill.; W. A. Manda, South Orange, N. J.; Fred H. Lemon, Richmond, Ind.; Alois Frey, Crown Point, Ind.; S. S. Skidelsky, Philadelphia, Pa.; A. F. J. Baur, Indianapolis, Ind.; P. W. Peterson, Joliet, Ill.; E. G. Hill, Richmond, Ind.; and all took part in the general speech making which closed the meeting. Among other things, the meeting of the Illinois State Florists' Association at Moline, March 7th and 8th, and the National Flower Show at Philadelphia, were discussed.

The following applications for membership in the Chicago Florists' Club were made: A. F. J. Baur, Indianapolis, Ind.; Wm. Graham, 84 E. Jackson Boul., Chicago; W. A. Manda, South Orange, N. J.; Peter Schaefer, 36 So. Wabash avenue, Chicago; D. D. P. Roy, 168 So. Michigan avenue, Chicago.

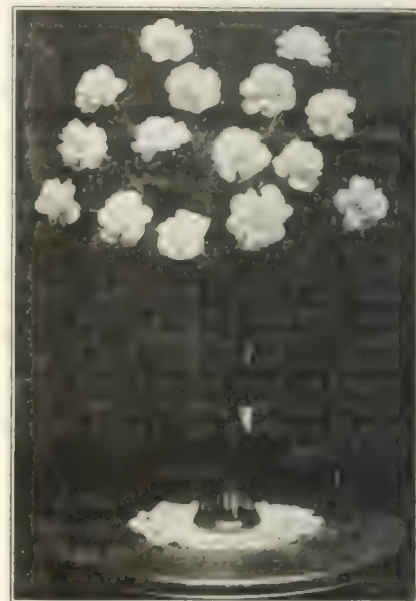
### NASSAU CO. (N. Y.) HORTICULTURAL SOCIETY.

The regular monthly meeting of the above society was held in Pembroke Hall, Glen Cove, on Wednesday, Feb. 9, and was very well attended. An offer was received of a silver cup for 10 varieties of Gladiolus, 6 spikes of each, to be competed for at our Dahlia Show in October. In the competitive exhibits Robert Jones made a clean sweep of all three classes, with carnations Matchless, Philadelphia and Princess Dagmar.

John F. Johnstone read a very interesting essay on "Botany and Its Use to a Gardener In His Work," in which he clearly demonstrated how very valuable a knowledge of botany is to a gardener. The essay on "Young Gardeners and Their Opportunities in America," by Henry Gibson, was also read. Robert Jones announced that he would give a prize of \$5 at our next meeting for the best 12 carnations. JAMES MCCARTHY, Cor. Sec.

### CONNECTICUT HORTICULTURAL SOCIETY.

"Rose Night" of this society was held in Hartford on Friday evening, Feb. 11. A. N. Pierson, Inc., exhibited Jonkeer Mock, Hoosier Beauty, Mrs. Wm. Pierson, Beauty, Opheelia, Kildenny Queen, Red Radiance, Fire Flame,



CARNATION LAURA WEBER.



ROSE PRIMA DONNA (MME. P. EULER).

Lady Alice Stanley, Sunburst, Hadley, Scott Key, Double White Killarney, Willomere, Harry Kirk, and Mrs. George Shawyer. Freesia Hybrida were exhibited by J. E. Huss. N. Slocombe, of Farmington, exhibited a seedling acacia. The roses received a first-class certificate, the freesias a cultural certificate and special mention, and the acacia a cultural certificate.

The question box brought up the advisability of employing warm water in watering plants. G. Ogren exhibited some narcissi that had been watered with water at a temperature of 126 degrees. Tests seemed to prove that it made little difference whether hot or cold water was used. Robert C. Smallwood gave a talk on rose culture and Mr. Huss gave an instructive talk on growing freesias. The next meeting will be on February 25th.

ALFRED DIXON, Sec'y.

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ON TUESDAY, MARCH 7th, at 11 O'CLOCK A. M.

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### WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

One of the noteworthy features of the meeting of this society held Friday evening, Feb. 11th, was the splendid display of flowering plants. Prizes for the best plant went: 1st to James Stuart, for a splendid specimen cyclamen to which a cultural certificate was also awarded; 2nd to Robt. Williamson for *Chorizema illicifolia*. P. W. Popp was highly commended for *Erica melanthera* and H. L. Hand for *Primula malacoides*. Thanks to Wm. Whitton for trained nasturtium, Jas. Linane for cyclamen and Robt. Grunnert for cinerarias; in the non-competitive section. Thos. Ryan was highly commended for *Lilium Harrisii*: thanks were tendered to Anton Pederson for sweet peas "Yarrowa," and to Wm. Whitton for violets and chicory; a splendid vase of Carnation "Red Wing" from Wm. A. Dawson gained a preliminary certificate. Chas. H. Totty was a visitor and made a short talk. It was voted to hold the annual Fall Exhibition in Greenwich, Ct., this year, an ideal location for a large and important exhibition. The location of the Summer Exhibition will probably be voted on at the next meeting. After the routine business of the evening was over a "social session" with refreshments was held. Songs with rousing choruses, recitations, etc., were enjoyed. For the next meeting, March 10, A. J. Ricards offers 1st and 2nd cash prizes for the best essay by an assistant gardener on "How can our Society increase its usefulness."

P. W. POPP, Cor. Sec'y.

### HORTICULTURAL SOCIETY OF WESTERN PENNSYLVANIA

The Horticultural Society of Western Pennsylvania had a Carnation Night at the Colonial Hotel, Pittsburgh, last Tuesday evening. There was a fine exhibition which included about twenty-five varieties from Charles H. Totty, Madison, N. J. and the same number from A. N. Pierson, Cromwell, Conn. Supplementary there was quite a discussion among those present. The April meeting of the Society will consist of a lecture by Mr. McCollum of the Pierson U-Bar Co. on the subject of "Small Greenhouses and What to Grow in Them," which is specially designed for the amateurs who are affiliated or incidentally interested in the new organization. There will also be a spring meeting for the ladies of the Garden Club of Allegheny County, when the subject of bedding plants will be taken up.

### ST. LOUIS FLORIST CLUB.

This club held a meeting on Thursday afternoon, Feb. 10, with an attendance of fifty. The trustees announced the entertainment and dance for Friday evening, Feb. 17. Chairman Ammann of the executive committee for the late carnation meeting reported that everything had been settled and that the subscribers to the fund will receive 50 per cent of their money back. The secretary announced five delinquent members, all having been duly notified as such and failing to respond had been dropped from membership. Seven new members were elected. For the trip to the National Flower Show at Philadelphia the chair appointed David Geddis to look after the transportation. Messrs. Fillmore, Wells and Windler were appointed to draft resolutions on the death of our late member, Max Pelletier. A miscellaneous flower show will be held with the next meeting of March 9th, at one of our wholesale houses. The chair was authorized to appoint a committee of five to report on the advisability of organizing a State Florists' Association. Mr. W. W. Ohlweiler gave an interesting lecture on "How New Varieties in Plants and Flowers Are Created," with blackboard illustrations.

### LENOX HORTICULTURAL SOCIETY

The Lenox (Mass.) Horticultural Society held their monthly meeting on Feb. 9th. The committee submitted the schedule for the Summer Show to be held June 28th and 29th, this early date being arranged in connection with the visit of the Garden Clubs of America, who are holding their annual convention in Lenox on these dates. Sweet peas will be a special feature and amongst the special prizes offered is a cup valued at \$50 given by Knight & Struck Co. for ten vases, distinct varieties introduced in 1914, 1915 and

1916. Twenty-five dollars was appropriated for the destruction of the tent caterpillar in the Lenox district. The annual ball to be held on February 18th promises to be a big success.

A good number of members were present at this meeting and a lively discussion followed the reading of a paper entitled, "Young Gardeners' Opportunity in America." The next meeting will be held on March 8th.

J. H. FRAMPTON, Ass't Sec'y.

### CINCINNATI FLORISTS' SOCIETY.

The February meeting of the Cincinnati Florists' Society was held last Monday evening at Labold & Newburgh's. The Preliminary Flower Show Committee's report advised the society not to hold an Autumn Show in 1916. The society took steps to request the Governor of Ohio and the Mayor of Cincinnati, because it would be for the best interests of all concerned, that in their proclamations for Mother's Day they would specify a bright flower for mothers living, a white flower for mothers dead. The local society will also request all florist clubs in the state to do the same thing in their respective communities.

### CLUB AND SOCIETY NOTES

A regular meeting of the New Jersey Floricultural society will be held on Monday evening, Feb. 21st, 1916, in Jr. O. U. A. M. Hall, 401 Main street, at 8 P. M. Essay—"Young Gardeners' Opportunity in America."

GEO. W. STRANGE, Sec'y.

The Totowa Floricultural Society was organized at Paterson, N. J., on February 9. The society started with the following members: R. Fraenhoff, H. Schofield, H. Barow, F. Bredder, J. Otten, H. Bredder, E. Steele, P. Rossler, G. Welcher, George Atkinson, H. Christenson, J. Cooper and O. Schaub.

## ASPARAGUS PLUMOSUS NANUS SEED

All greenhouse grown and well ripened. Send your orders early.

1000 Seeds at \$3 per 1000; 5000 Seeds at \$2.75 per 1000  
10,000 Seeds at \$2.50 per 1000

SPECIAL PRICES ON LARGE ORDERS.

W. H. ELLIOTT BRIGHTON  
MASS.

## SEED TRADE

### AMERICAN SEED TRADE ASSOCIATION

Officers—President, J. M. Lupton, Mattituck, L. I., N. Y.; First Vice-President, Kirby B. White, Detroit, Mich.; Second Vice-President, F. W. Bolgiano, Washington, D. C.; Secretary-Treasurer, C. E. Keudel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O. Cincinnati, O., next meeting place.

#### One Week's Imports.

In the week ending Feb. 4th, were recorded as follows:

Bulbs—Denmark, \$20,689; France, \$256; Netherlands, \$1,725; England, \$101; Italy, \$1,188.

Other plants, etc.—Denmark, \$618; France, \$130; Netherlands, \$3,120; England, \$1,115; Ireland, \$229; Japan, \$10.

Red clover seed—France, \$22,808; Italy, \$188,682.

Grass seed—Denmark, \$1,168; Scotland, \$213; Ireland, \$487.

All other seed—Denmark, \$35,799; France, \$15,772; Netherlands, \$643; England, \$26,576; Scotland, \$6,183; China, \$1,051; Hongkong, \$48; Japan, \$1,372; Morocco, \$1,684.

Kaimit—Peru, \$21.

Suitable at other ports, \$268.

Dried blood—Argentina, \$3,960.

Other fertilizers—England, \$58; Argentina, \$1,224.

The freight rates on lily bulbs from Yokohama to inland cities via railroads has been advanced \$4.50 per 1,000 in 7-9 size, and \$7.00 per 1,000 on larger sizes. By the all water route the rates are still higher and the worst feature is that it is almost impossible to get ships to carry the goods.

### NEW CORPORATIONS.

Baltimore, Md.—Baltimore Wholesale Florist & Supply Co., capital stock \$10,000.

Piggott, Ark.—Piggott Nurseries, incorporators, H. H. and E. H. Ballard, and T. L. Davis.

Rochester, N. Y.—Edwin C. Kaelber, florist, capital stock \$5,000. Incorporators, E. C., F. Z. and C. F. W. Kaelber.

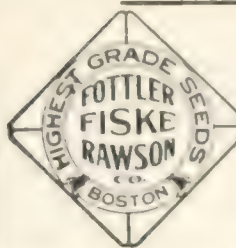
Martinsville, Ind.—Union Orchard & Nursery Co., capital stock, \$10,000. Incorporators, Benjamin F., Laura L. and Grace Mason.

Boise, Idaho.—Central Coal & Seed Co., capital stock, \$25,000. Incorporators, Wm. H. McGuffin, Don McGuffin, Edward McGuffin, C. F. Harmon and H. W. Baker.

### MASSACHUSETTS AGRICULTURAL COLLEGE NOTES.

H. D. Grant has relinquished his position in the Grounds Department here at the college to take up landscape work in Richmond, Va., with C. F. Gillett.

Mr. Ulman of Butler & Ulman, Northampton, discussed the organization of a greenhouse establishment with the senior class in Floriculture last Tuesday afternoon.



## SEEDS for the FLORIST

### STOCKS Boston Flower Market

Unsurpassed for the largest percentage of double flowers. We have crimson, canary yellow, dark blue, deep blood red, apple blossom, bright rose, light blue, scarlet.

Trade pkt. \$1.00; Pure White, trade pkt., \$1.50.

Sweet Peas, Asters, Cyclamen, Petunia, Primula.

Lily of the Valley from our own Cold Storage Plant.

Our Trade List Mailed on Application.

**FOTTLER, FISKE, RAWSON CO., THE SEED STORE BOSTON**  
Faneuil Hall Square

## SEEDS--ONION SETS

Appreciation of a high order of Merit in Seeds and Seed Service leads naturally to purchasing from

### LEONARD SEED COMPANY

226-230 W. KINZIE ST., - - - CHICAGO

### SEED AND PLANT FORCING DEVICE.

Unprotected flower and vegetable crops in the open are subject to weather conditions, while with the intelligent use of glass the plants will mature quickly and the number of crops grown on a given space can be increased considerably and the vegetable will be tender and juicy.

Until recently the sashlight and the bell glass have been the only practical devices suitable for the purpose. French gardeners now use what they call the continuous cloche. Americans have styled it the "continuous seed and plant forcer." It is a very simple adaptation of window glass, held together firmly by a patented system of bent wires. The wire grips the glass firmly in a manner that makes the forcer absolutely rigid, in the form of an inverted letter V. The two panes of glass do not quite meet, but leave a small space at the apex which affords ventilation, allowing excessive heat and moisture to escape.

When the bell glass is used it is necessary to plant in small round patches, but with the new system the planting may be in long rows as in ordinary gardening, economizing space and labor. Various sizes of glass can be used. For protecting rows of small seeds, such as mignonette, poppies, lettuce or radish, to hasten growth, the smallest or seed raiser size is used, eighty-three forcers to the hundred feet of row providing ample protection for the seedlings in their early stages. For peas, beans, etc., there are suitable sizes, and larger sizes for covering bushes, or forcing early strawberries, tomatoes, etc.

The use of forcers extends the length of the season considerably, making it possible to start the garden earlier than usual and keeping it going until late in the season. When these forcers are better known they will be more generally used. When not in use the glass is removed from the wire frames and stored away in boxes and the wires are also packed in boxes and put away until wanted the following season, so the first cost is practically the total expense.

### RATHER CHEEKY.

For some reason best known to themselves, the papers of the Western coast do not look with favor upon the purchase and setting apart for public grounds of mountain and forest tracts here in the East. Perhaps it is because they have so much of that sort of thing that is in no danger that they cannot appreciate our anxiety to save what we have here.

At any rate, we find the San Francisco Chronicle calling the members of that most useful body, the American Forestry Association, "sentimentalists," talking about "extorting money from Congress" for our forests and observing that "if any of the Eastern States desire forest reserves, they have the money to pay for them."

This from a paper of the city that induced Congress to present it with one of the most beautiful spots in the world, the Hetch-Hetchy valley, worth millions of dollars, to be ruined to make a reservoir for the town, is certainly not lacking in cheek.—*Boston Traveler*.

### NEWS NOTES.

Cortland, N. Y.—C. V. Hike has sold his interest in the Hike-Allen Co., florists.

Troy, Ala.—The boiler in R. B. Chapman's greenhouses exploded Feb. 4th, wrecking the greenhouses completely; no insurance.

New Britain, Ct.—A. A. Weldon has been appointed superintendent of the Molumphy and Edelson greenhouses. Vegetable crops are his specialty.

Milford, Mass.—Fire in the greenhouses of Albert L. Smith Feb. 8th, entirely destroyed the boiler house and did considerable damage to the houses.

Lincoln, Neb.—Joseph K. Hiltner has purchased the 15th street greenhouses and retail store of the Griswold Seed Co., recently declared bankrupt. H. A. Johns, Sioux City, purchased the Normal greenhouses of the same firm.

## MICHELL'S NEW CROP FLOWER SEEDS

ASPARAGUS PLUMOSUS NANUS  
NORTHERN GREENHOUSE GROWN  
1,000 Seeds... \$3.50 10,000 Seeds... \$30.00  
5,000 " ... 15.50 25,000 " ... 52.50

Special Prices on Larger Quantities.

### ASTER CREGO

	Tr. Pkt.	Oz.
WHITE	\$.30	\$1.25
SHELL PINK	.30	1.25
ROSE PINK	.30	1.25
LAVENDER	.30	1.25
PURPLE	.30	1.25
MIXED	.30	1.25

### ASTER INVINCIBLE

	Tr. Pkt.	Oz.
WHITE	\$.30	\$1.25
ROSE PINK	.30	1.25
LAVENDER	.30	1.25
BLUE	.30	1.25
CRIMSON	.30	1.25
MIXED	.30	1.00

Also all other Seasonable Seeds, Bulbs  
and Supplies for the Florist.

SEND FOR OUR NEW WHOLE-  
SALE CATALOG IF YOU HAVEN'T  
A COPY.

**HENRY F. MICHELL CO.**  
518 Market St., Philadelphia, Pa.

## Spring and Fall Bulbs

### HOGEWONING & SONS

RYNSBURG, HOLLAND

32 BROADWAY NEW YORK

Send for Wholesale Quotations

### LILIUM GIGANTEUM COLD STORAGE

Extra Selected Stock. Gladiolus for forcing.  
Nanus, Colvillei or large flowering  
type. Greenhouse Fertilizers. Ask  
for 1916 Seed Catalogue.

Joseph Breck & Sons Corp., Seedsmen  
47-54 No. Market St., BOSTON, MASS.

### J. BOLGIANO & SON

WHOLESALE FIELD AND GARDEN SEEDS

Established 1818

Write For Our Low Prices

LIGHT, PRATT and ELLICOTT STS.  
BALTIMORE, MD.

### "SEEDS WITH A LINEAGE"

Seeds with a generation of finest  
flowers and vegetables back of them—  
carefully selected—really tested.

Write today for Catalog.

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186 Chamber of Commerce Bldg.  
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### BURNETT BROTHERS

Importers and Growers of

SEEDS, BULBS, PLANTS, &c.

98 Chambers Street, New York

**Burpee's Seeds**  
PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES  
MAILED ONLY TO THOSE WHO PLAN  
FOR PROFIT

## PLANT NOW

### ANTIRRHINUM

GOLDEN QUEEN. Yellow, ¼ oz., 40c.

QUEEN OF THE NORTH. White, ¼  
oz., 35c.

ROSY MORN. Bright Rose, ¼ oz., 35c.

### Carnation Marguerite

FARQUHAR'S NEW GIANT MIXED.  
1-16 oz., \$1.00; ¼ oz., \$1.75.

### LOBELIA

FARQUHAR'S DARK BLUE. Dwarf,  
½ oz., 35c.; ¼ oz., 60c.

### PETUNIA

FARQUHAR'S RUFFLED GIANTS  
MIXED, 1-16 oz., \$2.25.

### VINCAS

BRIGHT ROSE, WHITE WITH ROSE  
EYE, ¼ oz., 30c.; 1 oz., \$1.00.

PURE WHITE, OR MIXED, ¼ oz.,  
30c.; 1 oz., \$1.00.

### VERBENAS

FARQUHAR'S GIANT BLUE, PINK,  
SCARLET, WHITE, STRIPED,  
½ oz., 25c.; ¼ oz., 40c.; oz., \$1.25.

FARQUHAR'S MAMMOTH HYBRIDS  
MIXED, ½ oz., 25c.; ¼ oz., 40c.;  
1 oz., \$1.25.

**R. & J. FARQUHAR  
& CO.**

BOSTON, MASS.

### SWEET PEA SEED

Winter or Summer Spencer, only the best  
commercial varieties.

### ANT. C. ZVOLANEK

SWEET PEA RANCH

LOMPOC, CALIF.

### KEYSTONE SNAPDRAGON

Best Winter flowering Pink Snapdragon on  
the market. Per pkt., \$1.00; 6 pkts. for \$5.00.

S. S. SKIDELSKY & CO.

PHILADELPHIA, PA.

**D. D. P. ROY**

SEEDS—BULBS—PLANTS

108 N. Michigan Ave. CHICAGO, ILL.

## SELECTED FLOWER SEEDS

### ASTERS

Queen of the Market	Pkt.	Oz.
White	\$.05	\$.60
Chatsworth	.05	.60
Rose	.05	.60
Light Blue	.05	.60
Dark Blue	.05	.60
Scarlet	.05	.60
Mixed	.05	.50

### S. & W. Co.'s Late Branching

White	.10	1.00
Lavender	.10	1.00
Purple	.10	1.00
Crimson	.10	1.00
Shell Pink	.10	1.00
Rose Pink	.10	1.00
Mixed	.10	1.00

### ASPARAGUS, Plumosus Nanus

Finest Greenhouse Grown	
100 Seeds	\$.40
500 Seeds	2.00
1000 Seeds	3.50
2500 Seeds	8.50
5000 Seeds	16.25

### LOBELIA

	Pkt.	Oz.
Emperor William	\$.10	\$1.50
Crystal Palace	.10	1.75
Speciosa, Trailing Blue	.05	1.00

### SALVIA

	Pkt.	¼-oz.	Oz.
Bonfire	\$.10	\$.75	\$2.00
Splendens	.05	.50	1.50
Zurich	.15	1.25	4.50

### VERBENA

Mammoth Flowering	Pkt.	Oz.
Pink	\$.05	\$1.50
Defiance (Scarlet)	.05	1.50
Blue	.05	1.50
White	.05	1.50
Mixed	.05	1.25

Wholesale Seed Catalog Free on Request

*Stumpp & Walter Co.*

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## Lily of the Valley Pips

BERLIN and HAMBURG

### COLD STORAGE

In cases of 3000 pips.....	\$40.00 each
" " " 1000 " .....	14.00 "
" " " 250 " .....	4.00 "

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NEW YORK

Seedsmen requiring the very best  
selections of

## Garden Seeds

(VEGETABLE AND FLOWER), especially  
Kelway's Celebrated English Strains  
can get them at lowest independent whole-  
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Horticultural Sundries

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Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Reference or cash must accompany all orders from unknown correspondents.  
Cable Address, ALEXCONNELL.

*Danker*

ALBANY, N. Y.

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Orders for New York. Write or Phone to

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Best Florists in the States as References.  
EUROPEAN ORDERS EXECUTED.  
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**DAVID CLARKE'S SONS**

Deliver orders from any part of the country to

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FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City  
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Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardsflor.

**YOUNG & NUGENT**42 West 28 Street  
New York

Members Florists' Telegraph Delivery

**Of Interest to Retail Florists****VALENTINE'S DAY PUBLICITY**

Four of the Albany (N. Y.) daily papers contained a very attractive joint advertisement for St. Valentine's Day business, showing the names of Danker, The Rosery, Expre, Gloeckner and Trivison panelled in a floral heart, suggestively flanked by Cupid's arrows. Mr. Gloeckner writes regarding it as follows:

"The Ad. was made up from the money we had left from our 1915 and 1916 Valentines for the same day. We got together and had fifty large signs made by hand letter printed with just the word, 'LET FLOWERS BE YOUR VALENTINE' on the same. In addition we had small posters made, 21x14 inches with the same wording which we posted on all our windows. In this connection I want to say that while only four of our retail florists contributed to our fund (some of our growers also came to our rescue), we distributed the signs to every florist whether he contributed or not. The cost for the whole thing was a little less than \$20, which we consider very reasonable for the amount of publicity we received. As to results, it showed all day Saturday and again Sunday, and on Monday it was below zero all day; but in spite of these facts I know I did a better business than a year ago, and I believe all the Albany florists are more than satisfied."

**NEW FLOWER STORES.**

Manchester, N. H.—G. T. Davis.

Michigan City, Ind.—William Kintzele.

Detroit, Mich.—Louis Charvatt, Baldwin avenue.

Chicago, Ill.—Henry M. Hirsch, 57 E. Van Buren street.

New York, N. Y.—Yorkville Nursery, 1275 Lexington avenue.

Houston, Tex.—Louis Buchner, Hutchins street, (Wholesale).

Fort Wayne, Ind.—Markey Bros., removing to 726 Harrison street.

Schenectady, N. Y.—W. H. Showers, succeeding Marvin P. Champlin.

Philadelphia, Pa.—Joseph Josephs, 1222 Columbia avenue, succeeding Samuel R. Aitken.

Lancaster, Pa.—The Rose Shop, R. P. Antes and Chas. F. Edgar, proprietors, to open March 1.

Syracuse, N. Y.—Morris-Zogg Floral Company, Eckel Theatre Building, succeeding Pierce-Christian Company.

Worcester, Mass.—The parcel post window in the post office here was opened on Sunday night, February 13, between the hours of 8 and 10 o'clock, on request of the Worcester florists to accommodate their Valentine business. Worcester's post master deserves a joint testimonial from the florists and Master Cupid.

**HIGH GRADE PLANTS**

For Retail Stores a Specialty

ASK FOR LIST

THOMAS ROLAND, Nahant, Mass.

**F. R. PIERSON CO.**FLORISTS AND  
PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

**JOHN BREITMEYER'S SONS**Cor. Broadway and Gratiot Aves.  
DETROIT, MICH.**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.  
Members Florists' Telegraph Delivery Association.

GUDE BROS. CO.  
1541 ST. N.W.  
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WASHINGTON, D. C.

Member Florists Telegraph Delivery

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**The Park Floral Co.**

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**J. B. KELLER SONS,  
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2819  
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**'THE HOME OF FLOWERS'**

The largest cut flower store in America.  
Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

**HOLM & OLSON, Incorporated**  
ST. PAUL, MINN.**THE ROSERY**

23 STEUBEN ST.

**ALBANY, N. Y.**FLOWER DELIVERIES FOR ALBANY  
AND VICINITY

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Will take good care of your orders  
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**F. H. KRAMER**  
Auto delivery of Designs and Flowers to  
any address in Washington.  
Stock and Work First Class

Orders Filled Day or Night for  
**CLEVELAND**  
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Complete Stock. Regular discount to Trade.  
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1836 W. 25th St., Cleveland, O.  
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**CLEVELAND, OHIO**  
Flowers of Every Kind in Season

**SALTER BROS.**  
—FLORISTS—  
38 Main Street, West  
**ROCHESTER, - N. Y.**

**HESS & SWOBODA**  
FLORISTS  
Telephones 1501 and L 1532.  
1415 Farnum St.,  
**OMAHA, NEB.**

**S. A. ANDERSON**  
440 Main St., Buffalo, N. Y.  
ANDERSON service means fresh, sturdy  
Stock and prompt deliveries in BUFFALO,  
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**H. F. A. LANGE**

125,000 Sq. Ft. of Glass  
WORCESTER, MASS.

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Leading Retail Florists Listed by  
Towns for Ready Reference. Orders  
transferred by telegram or otherwise  
to any of the firms whose address is  
here given will be promptly and prop-  
erly filled and delivered.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl  
St.

Albany, N. Y.—The Rosery, 23 Steuben  
St.

Albany, N. Y.—Danker, 40-42 Malden  
Lane.

Albany, N. Y.—William C. Gloeckner, 97  
State St.

Boston—Thos. F. Galvin, 1 Park St.

Boston—Penn The Florist, 37-43 Brom-  
field St.; 124 Tremont St.

Boston—H. R. Comley, 6 Park St.

Buffalo, N. Y.—S. A. Anderson, 440 Main  
St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan  
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid  
Ave.

Cleveland, O.—Adam Graham & Sons,  
5523 Euclid Ave.

Cleveland, O.—Knoble Bros., 1836 W. 25th  
St.

Cleveland, O.—The Smith & Fetters Co.,  
735 Euclid Ave.

Denver, Col.—Park Floral Co., 1643  
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,  
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017  
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-  
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Younk & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.  
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth  
Ave.

New York—Thos. F. Galvin, Fifth Ave.,  
at 46th St.

New York—A. T. Bunyard, 413 Madison  
Ave., at 48th St.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415  
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 26  
Clinton Ave., N.

Rochester, N. Y.—Salter Bros., 38 Main  
St., West.

St. Louis, Mo.—Fred C. Weber, 4526-28  
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-  
son Co.

Toronto, Can.—J. H. Dunlop, 8-10 West  
Adelaide St.

Washington, D. C.—Gude Bros., 1214 F  
St.

Washington, D. C.—F. H. Kramer, 915  
F St., N. W.

Westerly, R. I.—Reuter's.

Worcester, Mass.—H. F. A. Lange.

Worcester, Mass.—Randall's Flower Shop,  
3 Pleasant St.

*Penn The Florist*

"The Telegraph Florist"

Member of Florists' Telegraph Delivery

124 Tremont St., BOSTON

**REUTER'S** Members Florists  
Telegraph  
Delivery

STORES IN

New London and Norwich, Conn.  
and Westerly, R. I.

We cover the territory between  
New Haven and Providence

ST. LOUIS, MO.

**FRED C. WEBER**  
4326-28 Olive St.

Member Florists Telegraph Delivery Association  
NOTICE INITIALS. We have one store only

**THE J. M. GASSER COMPANY,**  
**CLEVELAND**

Euclid Avenue

The Far-Famed Flowers of  
**TORONTO**

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP**  
8-10 West Adelaide St. - TORONTO, ONT.

ALBANY, N. Y.  
**EYRES**  
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.

**KERR** ORDERS FOR TEXAS  
HOUSTON, TEXAS  
The Florist Member F. T. D. Association

## NEWS ITEMS FROM EVERYWHERE

### CHICAGO.

California and Indiana are exported by A. Henderson Co. from South Carolina this week.

John Henderson is feeling much better and has enjoyed himself very much about his home on the north side.

The Chicago Florists' Club reports the sale of three hundred tickets to date on the large silver punch bowl.

Charles E. Reese & Rife is at the Michael Reese Hospital where he underwent a successful operation for cancer of the hip. He is reported as doing nicely.

Chicago is living up to its title of the great central market with cut acacia from California, violets from New York and daffodils from the Gulf coast this week.

W. A. Manda, who has been making a tour of the Middle West, went from St. Louis and Kansas City to Minneapolis and then spent the latter part of the week in Chicago.

William Wolf, for many years a popular salesman at A. Lange's, and Miss Schmidt, will be married at the residence of the bride on Normal Park avenue, Saturday February 19.

The West End Floral Co. is now entirely owned by Al. J. Tierney, who has purchased the Leslie interest in the business. Mr. Leslie was a partner of Mr. Tierney's brother, who died during the holidays.

John Michaelson states that his firm, the E. C. Amling Co. used 680,000 violets for Valentine business. The best singles sold from 50c. to 75c. per 100, the best doubles from 50c. to 60c. and the poorer doubles all the way down to 10c.

Arrangements have been made with The Sheldon School for their Mr. Tolles to speak before the Chicago Florists' Club, March 9. The lectures last year were plain talks on practical questions of salesmanship and were greatly appreciated by the club members.

Little apple trees in full bloom, running from 18 to 30 inches in height, are very pretty window novelties. The lack of foliage is concealed by the use of sprays of Asparagus plumosa inserted around the plants. Pussy willows also add a harmonious touch. These appeared in Valentine week.

A. Henderson Co. are rapidly getting settled in their new store at 211 North State street. The main room is being fitted up for a first-class seed store and all will be in readiness for early spring trade. Back of the store are the offices. All kinds of seeds, plants and bulbs will be handled and a store of this kind will be a great convenience to State street shoppers. G. M. Reburn has just returned from a trip and reports good business. He will represent his firm at the Ill. State Florists' Association at Moline, March 7 and 8.

### NEW YORK.

Charles Schwako returned last Monday from a successful western business trip.

Anglin & Walsh Co., dealers in plants, seeds and bulbs, have opened an office at 335 Broadway.

George W. Cohen, formerly with Werthelmer Bros., and M. Hiller, have opened at 874 Broadway, as importers and commission merchants in silk ribbons and novelties for florists' use.

The Schedule Committee of the National Flower Show held a meeting on Tuesday, Feb. 15, at the office of Secretary Young, and will hold sessions each Wednesday afternoon from now on.

Goldstein & Futterman is the name of a new wholesale flower commission firm at 102 West 28th street. Mr. Goldstein has been for the past six years in the employ of Guttman & Raynor and Mr. Futterman has been with Gunther Bros. for eighteen years, ever since he was a boy. The new place is the first store from Sixth avenue, in the long row of wholesale florists in the block west of Sixth avenue and the young firm starts out under most favorable auspices.

### WASHINGTON, D. C.

William F. Gude was the guest of honor at the banquet of the Atlantic Coast Bowling League, of which he is president, which was held in New York City on Saturday evening last.

Mr. Fowler, who was formerly with the Van Lindley Company, of Greensboro, N. C., is reported to have accepted a position with David G. Grilbortzer, of Alexandria, Va. Mr. Fowler is a rose grower and all around florist of no mean ability, and it is said that he will take over the management of the business under Mr. Grilbortzer.

The Office of the Foreign Trade Adviser of the State Department has been informed of the issuance by the British Foreign Office of a permit in favor of H. Bayersdorfer & Co., Phila., under which there is guaranteed the unmolested shipment from Rotterdam of artificial flowers, baskets, etc., from Germany to the value of 57,051 marks and from Austria to the value of 4,936 kronen.

The House of Representatives has passed the Johnson "fraudulent advertising" bill making it unlawful in the District of Columbia for any person to disseminate untrue or misleading statement or advertising. The House Committee has favorably reported a bill to prohibit the giving of checks when the maker knows, or should know, that at the time he has not to his credit in the institution upon which the same is drawn sufficient available funds to pay the same.

### PHILADELPHIA

A new flower store will be started in Lancaster, Pa., very soon. Prominent citizens and solid backing are behind the enterprise. One of the leading lights will be Charles F. Edgar, well known to the trade in many states.

When an old blasé like the writer stops selling timothy seed in mid-afternoon to go listen to a lecture on rock gardens and such—civilization and his wife had better sit up and take notice! But J. Otto Thilow being a colleague on a committee, it was felt that an appearance, at least, was demanded by courtesy. So it was to be a five-minute stay, and then back to work. The stay was exactly one hour and fifteen minutes. Once seated it was simply a case of spell-bound and hypnotized. The finest lecture of its kind ever. Glad to have been there, and obligations to timothy can go hang. There is such a thing as an unrepentant sinner.

### PITTSBURGH.

DeForest Ludwig, who has been critically ill for some time, is slowly convalescing. Mr. Ludwig's recent illness dates from a relapse from an attack of gripe in the early winter.

Miss Eliza McKinley, who has been ill since before Christmas, was able to call at Randolph & McClements (where she is the head saleswoman), early in the week. However, she will not be able to resume business for some time.

On Tuesday evening, April fourth, John R. Bracken, of the landscape department of the A. W. Smith Company, will speak before the Florists' Club at the Fort Pitt Hotel on the "Laying Out of Private Gardens and the Beautifying of the Same." On Thursday morning of last week Mr. Bracken spoke before the Squirrel Hill Garden Club at the home of Mrs. Charles H. Friend on "Shakespeare's Garden."

Adolph Kueppers, who has been the manager for George L. Huscroft in Steubenville, Ohio, for the past three and a half years, has returned to Pittsburgh as head salesman in the floral department of Kaufmann's. Mr. Kueppers was the manager of the old East End shop of the H. L. Blind Company and at various times was formerly connected with the sales departments of various down-town shops.

### BUSINESS TROUBLES.

Lincoln, Neb.—The Griswold Seed Co., valued at \$114,000, was sold Jan. 29, for \$23,900.

Stephen J. Quinn, a florist, of Brookline, Mass., has filed a voluntary petition in bankruptcy in the United States district court, admitting liabilities of \$43,324, and placing his assets at \$4,447. The latter consist chiefly of stock in trade valued at \$2,000, debts due amounting to \$1980, and real estate valued at \$200. There are four secured creditors and more than 100 unsecured listed in the petition.

# For the Florists of America

A NEW LINE OF

## Baskets, Plant Receptacles and Other Up-to-Date Goods

Get Them  
**NOW**

Quaint and Shamrocky Novelties for St. Patrick's Day

Get Them  
**NOW**

Superior in quality and design to anything ever imported. Also more for your money. These goods are **new, original and profitable**. Many of them we handle exclusively; of the rest we handle more than any other supply house in this country.

*Send for Our Silent Salesman*

**THE FLORISTS' SUPPLY HOUSE OF AMERICA**

**H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.**

### Visitors' Register

Pittsburgh—R. M. Ward, New York; Ed. Flood, Philadelphia, Pa.

Lenox, Mass.—George W. Strange, representing Vaughan's Seed Store, New York.

Boston—W. R. Cobb of Lord & Burnham Co., New York; Eber Holmes, representing W. A. Manda, Inc., So. Orange, N. J.; David Ward, Queens, N. Y.; C. S. Strout, Biddeford, Me.; J. H. Stalford, Bar Harbor, Me.

New York—H. J. Anderson, representing A. N. Pierson, Inc., Cromwell, Conn.; S. S. Pennock, Philadelphia; A. Farenwald, Roslyn, Pa.; Thomas Roland, Nahant, Mass.; L. J. Reuter, Westerly, R. I.; W. F. Gude, Washington, D. C.

Cincinnati: A. M. Anderson, and A. M. Hanson, repr., A. L. Randall Co., Chicago; George Hampton, repr. Jos G. Neidinger, Phila.; Arnold Ringier, repr. W. W. Barnard Co. Chicago; Alfred J. Vander Horst, St. Mary's, Ohio.

Philadelphia—W. A. Clarke, Pittsburgh Cut Flower Co., Pittsburgh, Pa.; Ben W. Delaney, representing J. Chas. McCullough, Cincinnati, Ohio; T. Malbranc, Johnstown, Pa.; Miss Carrie Steckman, mgr. for Shroyer, Lancaster, Pa.; Chas. H. Totty, Madison, N. J.; R. P. Antes, and son, The Rose Shop, Lancaster, Pa.

Washington, D. C.—A. Abramowitz, of Carbone's, Boston, Mass.; Julius Dilloff, New York; E. H. Flood, Phila. Pa.; Charles A. Keffer, Knoxville, Tenn.; J. Hampton Rich, Winston-Salem, N. C.; D. T. Connor, representing Lord & Burnham Co., Phila., Pa.; George Burgevin, Daniel Burgevin and Cornelius Hune, all of Kingston, N. Y.

Cincinnati—Ed. Buschle, of C. E. Critchell's force, is recovering from the effects of his recent operation and intends to leave the hospital this week.

### ROSE AND CARNATION SHOW.

The second of the series of flower shows and horticultural lectures given by the Country Life Permanent Exposition, at the Grand Central Terminal, New York City, took place on February 10th-12th. While there were only two entries for the rose classes, competition was keen, however, in the classes for carnations, resulting in a fine display of these flowers. As at the first show, the table decorations attracted considerable attention. They were tastefully decorated, with accessories all alike.

On the afternoon of the first day, Arthur Smith, of Reading, Pa., delivered a lecture on "Outdoor Roses. Their Habits and Culture" to an audience which appeared much interested in this subject, and the way Mr. Smith was surrounded at the conclusion of his talk and plied with questions indicated that the public was thoroughly appreciative of these lectures.

The judges were William H. Waite and J. Harrison Dick. The list of prize winners follows:

Vase of 25 roses, arrangement to count --1st, Mrs. H. Darlington, Mamaroneck, N. Y., gard. P. W. Popp.

Vase of 12 roses--1st, F. E. Lewis, Ridgefield, Conn., gard. J. W. Smith.

Vase of 25 carnations--1st, W. E. Reis, Greenwich, Conn., gard. Robert Grunert; 2nd, John Downey, Portchester, N. Y., supt. Thos. Ryan; 3rd, D. G. Reid, Irvington-on-Hudson, N. Y., supt. A. W. Golding.

Vase of 12 carnations--1st, W. E. Reis; 2nd, D. G. Reid; 3rd, Henry Goldman, Deal Beach, N. J., gard. A. Bauer.

Table decorations of roses or carnations, for six covers--1st, Mrs. Ridley Watts, Morristown, N. J., gard. S. Golding; 2nd, Mrs. Pauline Boellger, Riverdale-on-Hudson, N. Y., gard. Rudolph Heidkamp; 3rd, Mrs. H. Darlington; special prize, F. E. Lewis.

Special commendation for the following freesias, Wm. Ziegler, Jr., Noroton, Conn., gard. Albert Bieschke; tulips, Mrs. H. Darlington; sweet peas, W. E. Reis.

### DURING RECESS.

#### Bowling Scores at Boston.

Robinson	1258	vs.	Carbone	1258
Flower Ex.	1286	vs.	Flower Mkt.	1286
Zinn	1340	vs.	Galvin	1340
M & M	1340	vs.	Galvin	1340

#### STANDING AS TO POINTS.

Galvin	31	23	Flower Ex.	28	23
Carbone	30	24	B. C. P.	28	23
Flower Mkt.	40	24	Robinson	26	23
Zinn	34	30	M & M	19	23

### Obituary

George A. Galloupe.

George A. Galloupe, former state senator, passed away at his home, 6 Chestnut street, Beverly, Mass., Feb. 7th, after a short illness, aged 65 years. He was formerly in the florist business, having greenhouses on Chestnut street, but retired from business a few years ago. He is survived by his wife and daughter.

Mrs. Joseph Guerin.

Sympathy is extended to Joseph Guerin, manager of the Flower Department of Wm. Filene's Sons Co., Boston, on the loss of his wife on Tuesday, February 15. Mrs. Guerin was formerly assistant to Mr. Guerin and also was in charge of the flower stands at the Parker House and Hotel Touraine. She was very well liked by the trade and her loss will be felt keenly by all with whom she was acquainted.

Henry C. Scherrer.

Henry C. Scherrer, a highly esteemed employee in the Sixth avenue flower store of P. L. Bogart, New York City, dropped dead on Thursday, Feb. 10, aged 60 years. Fifty years ago Mr. Scherrer went as a boy ten years old to work for Zalm. Later he was employed at J. M. Hodgson's, then after a time in the West he returned to New York and worked for H. A. Siebrecht. He has been with Bogart twenty years. His health has been poor for the past year, but no one expected any fatal result. He was a likable man and a floral artist of ability.

Boston—Penn, the Florist, as is his custom, made a catchy feature display in liberal spaces in Boston daily papers for St. Valentine's Day. Violets in heart-shaped boxes were given special publicity and an unprecedented number were disposed of, as a consequence.

## TWO OF OUR SPECIALTIES

### GARDENIAS

The Best \$25.00  
Fancy - - - 20.00  
Firsts - - - 15.00

### LILAC

White and Lavender  
\$1.50 per bunch;  
4 bunches for \$5.00

## THE LEO NIESSEN CO.

Wholesale Florists

1201-05 Race Street,

PHILADELPHIA, PA.

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Producing the

## BEST TRADE PAPER

Just Mention **HORTICULTURE**  
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## PHILADELPHIA Wholesale Flower Exchange

1626 Hanstead St., Philadelphia  
EVERYTHING IN CUT FLOWERS  
Gardenias and Orchids a specialty.  
"Take" knows the ropes. Give him a  
trial. Consignments solicited.

## REED & KELLER Florists' Supplies

We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Decorative Glassware, Growers and  
Florists' Requisites

## Wired Toothpicks

Manufactured by

**W. J. COWEE, Berlin, N. Y.**  
10,000....\$1.75 50,000....\$7.50. Sample free.  
For sale by dealers.

## E. G. HILL CO.

Wholesale Florists  
RICHMOND, IND.

Please mention Horticulture when writing.

## MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH.

Telephone 3860 Madison Square

## WOODROW & MARKETOS

WHOLESALE

## Plantsmen and Florists

37 and 39 West 28th St., NEW YORK



in writing to advertisers kindly  
mention **HORTICULTURE**.

## POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around  
72-74 EAST RANDOLPH ST., - - - CHICAGO.  
If interested, send us your name and address for our weekly price list

## WELCH BROS. CO. Wholesale Cut Flower Market

Daily consignments from leading growers Full line of Florists' Supplies Write for quotations before ordering elsewhere

226 DEVONSHIRE ST., BOSTON, MASS.  
Telephone, Main 6267-6268

## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Feb. 17		ST. LOUIS Feb. 7		PHILA. Feb. 14	
<b>Roses</b>						
Am. Beauty, Special	4.00	to 7.50	25.00	to 40.00	60.00	to 75.00
" " Fancy and Extra	4.00	to 50.00	25.00	to 30.00	25.00	to 50.00
" " No. 1	4.00	to 10.00	10.00	to 15.00	6.00	to 15.00
Russell, Hadley, Hosmer Beauty	8.00	to 25.00	10.00	to 15.00	6.00	to 20.00
Killarney, Richmond, Hillingdon, Ward, Extra	8.00	to 16.00	8.00	to 10.00	8.00	to 12.00
" " Ordinary	6.00	to 8.00	5.00	to 6.00	4.00	to 6.00
Arenburg, Radiance, Taft, Key, Extra	10.00	to 16.00	10.00	to 12.00	8.00	to 12.00
" " Ordinary	6.00	to 8.00	6.00	to 8.00	4.00	to 6.00
Ophelia, Mock, Striburn, Extra	10.00	to 16.00	8.00	to 10.00	8.00	to 12.00
" " Ordinary	6.00	to 10.00	5.00	to 6.00	4.00	to 6.00
<b>Carnations, Fancy</b>	4.00	to 5.00	3.00	to 4.00	3.00	to 4.00
" " Ordinary	1.50	to 2.00	1.00	to 2.00	1.50	to 2.00
<b>Cattleyas</b>	10.00	to 40.00	50.00	to 60.00	25.00	to 50.00
<b>Dendrobium formosum</b>	4.00	to 4.00	.....	to .....	.....	to .....
<b>Lilies, Longiflorum</b>	12.00	to 15.00	12.00	to 15.00	8.00	to 10.00
" " Rubrum	4.00	to 10.00	6.00	to 8.00	4.00	to 7.00
<b>Callas</b>	1.00	to 12.00	10.00	to 12.00	8.00	to 10.00
<b>Lily of the Valley</b>	1.00	to 4.00	3.00	to 4.00	2.00	to 5.00
<b>Daisies</b>	1.50	to 3.00	.85	to .50	.50	to 2.00
<b>Violets</b>	.25	to .60	.50	to 1.00	.85	to .75
<b>Mignonette</b>	4.00	to 5.00	3.00	to 4.00	2.00	to 6.00
<b>Snapdragon</b>	6.00	to 12.00	4.00	to 5.00	4.00	to 16.00
<b>Narcissus, Paper-White</b>	2.00	to 3.00	3.00	to 4.00	2.00	to 3.00
" " Golden Spur, etc.	1.50	to 2.00	3.00	to 4.00	2.00	to 3.00
<b>Tulips</b>	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
<b>Hyacinths</b>	2.00	to 3.00	3.00	to 4.00	3.00	to 4.00
<b>Freesia</b>	2.00	to 4.00	4.00	to 5.00	1.00	to 6.00
<b>Calendulas</b>	2.00	to 4.00	3.00	to 4.00	2.00	to 4.00
<b>Sweet Peas</b>	50	to 2.00	1.00	to 2.00	.50	to 2.00
<b>Gardenias</b>	20.00	to 35.00	.....	to .....	6.00	to 20.00
<b>Lilac perfun</b>	.....	to .....	.....	to .....	.....	to .....
<b>Adiantum</b>	.....	to 1.00	1.00	to 1.25	.....	to 1.00
<b>Smilax</b>	12.00	to 16.00	12.00	to 15.00	15.00	to 20.00
<b>Asparagus Plumosus, &amp; Spreng. (100 Bchs.)</b>	25.00	to 35.00	20.00	to 35.00	25.00	to 50.00

## WILLIAM F. KASTING CO.

Wholesale Florists

383-387 ELLICOTT ST. - - - BUFFALO, N. Y.

## Chicago Flower Growers Ass'n.

Wholesale Growers of Cut Flowers and Plants

182 N. Wabash Avenue - - - Chicago, Ill.

Flower Market Reports

The holiday on Saturday BOSTON and Valentine's Day coming on Monday helped greatly to clean up some of the goods which had been accumulating all week. Although there was a fair clean-up, goods did not bring a very good price but that is partially blamable to the severe storm of Friday, Saturday and Sunday. Storekeepers were very much afraid to buy on account of the weather. This week the market has fallen off again and all flowers are very plentiful and cheap. The first signs of roses dropping from their high figure were noticed on Tuesday, but they are not coming in sufficiently plentiful to hurt the price of other material. Bulb stock is in in good lots and although they are very cheap still they sell well. Sweet peas have shortened up the last two days but with a little sun are expected to be back in full swing again. Violets are exceptionally plentiful and are selling at extremely low figures for this time of the year.

The mercury pointing BUFFALO around the zero mark, receipts have been slightly lighter, also the volume of business. The supply of carnations more than equals the demand, though fancy stock has sold at fair prices. Roses are still scarce, especially shorts and medium, and this has helped the carnation situation to some extent. Beauties are not seen and no call for them whatever. Sweet peas of orchid type are coming in better and sell freely. Violets have to be forced in many instances but had a good sale on Saturday last. Lily of the valley is fine and holding its own, also all miscellaneous stock. There is plenty of good bulbous material.

With the exception of CHICAGO roses the supply of flowers now coming in meets all requirements and threatens to exceed the demand should the quantity continue to increase. The bulb season is at its height and it would be hard to estimate the thousands of tulips and daffodils arriving daily. So far the price on daffodils has held steady according to grade, which runs all the way from the small southern stock to the 20 inch fancy cuts. Tulips are of every color known to that flower and the stock has a wide range in size and quality. Carnations are including very many of low grade, but there are plenty also of the better ones, including fancy stock. Callas are very scarce. Sweet peas generally are equal to demand which is good. Violets are not considered strong except on special occasions. Lily of the valley is scarce and bells are small. Roses are still counted scarce and the outlook is not for larger cuts soon. Snapdragon is another short article. A good supply of cattleyas is offered.

Trade for Valentine's day is estimated by conservative members of the trade as probably falling below that of last year when it assumed greater proportions than ever before in this market. Retailers say Monday is not a good gift day. Be that as it may, it was a time which used up practically all the flowers which came in. Out-of-town orders were heavy and a large proportion came at



## LILAC

For choice and effective work,  
nothing more beautiful

The best quality \$1.50 per bunch  
A good medium quality \$1 per bunch

### GARDENIAS

\$2.00 to \$3.00 per dozen

**S. S. PENNOCK-MEEHAN CO.**  
The Wholesale Florists of Philadelphia

PHILADELPHIA NEW YORK  
1608-1620 Ludlow St. 117 W. 28th St.  
BALTIMORE WASHINGTON  
Franklin & St. Paul Sts. 1216 H St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Feb. 14		CHICAGO Feb. 14		BUFFALO Feb. 14		PITTSBURGH Feb. 14	
Roses								
Am. Beauty, Special	4.00	to 5.00	4.00	to 5.00	4.00	to 5.00	3.00	to 4.00
Fancy and Extra	2.00	to 3.00	3.00	to 4.00	3.00	to 4.00	2.00	to 3.00
No. 1	1.00	to 1.50	1.00	to 2.00	1.50	to 2.00	1.00	to 1.50
Russell, Hadley, H. Beauty	8.00	to 15.00	8.00	to 15.00	8.00	to 15.00	6.00	to 12.00
Killarney, Richm'd, Hill'don, Ward	8.00	to 12.00	8.00	to 12.00	8.00	to 12.00	6.00	to 12.00
Ord.	6.00	to 8.00	5.00	to 8.00	6.00	to 8.00	4.00	to 6.00
Arenburg, Radiance, Taft, Key, Ex.	6.00	to 12.00	8.00	to 12.00	8.00	to 12.00	8.00	to 12.00
Ord.	6.00	to 8.00	5.00	to 8.00	6.00	to 8.00	4.00	to 6.00
Ophelia, Mock, Sunburst, Extra	6.00	to 12.00	8.00	to 12.00	8.00	to 12.00	6.00	to 12.00
Ord.	6.00	to 8.00	5.00	to 8.00	4.00	to 6.00	4.00	to 6.00
Carnations, Fancy	4.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 3.00
Ordinary	2.00	to 3.00	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Cattleyas	40.00	to 50.00	40.00	to 50.00	40.00	to 50.00	40.00	to 50.00
Dendrobium formosum	10.00	to 10.00	10.00	to 10.00	10.00	to 10.00	10.00	to 10.00
Lilies, Longiflorum	10.00	to 12.50	10.00	to 12.50	10.00	to 12.50	10.00	to 15.00
Rubrum	6.00	to 12.50	6.00	to 12.50	5.00	to 6.00	6.00	to 12.50
Callas	6.00	to 10.00	12.00	to 15.00	8.00	to 12.00	6.00	to 12.00
Lily of the Valley	5.00	to 5.00	3.00	to 5.00	3.00	to 4.00	3.00	to 5.00
Daisies	2.00	to 2.00	1.00	to 1.00	1.00	to 1.50	2.00	to 3.00
Violets	.50	to .75	.50	to .75	.60	to .75	.50	to .75
Mignonette	4.00	to 4.00	4.00	to 4.00	4.00	to 4.00	3.00	to 6.00
Snapdragon	4.00	to 6.00	8.00	to 12.00	6.00	to 10.00	4.00	to 8.00
Narcissus, Paper-White	3.00	to 4.00	2.00	to 2.00	2.00	to 3.00	3.00	to 4.00
Golden Spur, etc.	4.00	to 5.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Tulips	3.00	to 3.00	2.00	to 2.00	3.00	to 5.00	3.00	to 5.00
Hyacinths	3.00	to 4.00	2.00	to 2.00	2.00	to 2.00	2.00	to 2.00
Freesia	2.00	to 4.00	3.00	to 4.00	2.50	to 4.00	3.00	to 4.00
Calendulas	2.00	to 2.00	2.00	to 3.00	2.00	to 3.00	2.00	to 4.00
Sweet Peas	.75	to 1.50	1.00	to 1.50	1.00	to 2.00	.75	to 2.00
Gardenias	30.00	to 30.00	30.00	to 30.00	30.00	to 30.00	30.00	to 30.00
Lilac	10.00	to 10.00	10.00	to 10.00	10.00	to 10.00	10.00	to 10.00
Adiantum	1.00	to 1.00	1.00	to 1.00	1.00	to 1.25	.75	to 1.25
Smilax	12.50	to 15.00	12.00	to 15.00	12.00	to 15.00	12.50	to 15.00
Asparagus Plu. & Spreng.	25.00	to 30.00	25.00	to 30.00	35.00	to 50.00	30.00	to 40.00

# J.A.BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and  
CARNATIONS  
A Specialty

WHOLESALE  
GROWER of

## CUT FLOWERS

the last minute, but without them the market could not have used up the supply. More plants than ever before were sold for this holiday and the plant houses were kept busy delivering to the retailers till dark on Monday. Dwarf crab apples, peaches, lilacs and heaths were much in evidence, and the baskets of spring flowers were very popular. Violets as always, were a popular Valentine gift as were also sweet peas, of which more could have been used.

Extremely cold weather has again put a check on the supply of stock. Still, as a whole, receipts are sufficient for immediate needs. Valentine Day business was good but it was not strong enough to absorb receipts in all lines peculiarly appropriate for that day. The rose

cut is still short. American Beauties, however, are plentiful. Carnation receipts are large and good. Lilies and callas are plentiful. Bulbous offerings include tulips, jonquils, daffodils, Dutch hyacinths and narcissus. Violets, sweet peas, lily of the valley and orchids are all plentiful.

There was a suggestion of bustle in this market just preceding St. Valentine's Day, but it was pretty well petered out after the snow storm and the zero weather which marked the amorous day. Much material was frozen on the way to the city. Violets, which have long held sway as a favorite of Cupid, have been treated very coolly all winter by the public, but the saddest blow of all was Monday's big freeze, which completely prevented

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Leucothoe, Palmetto, Cycas, both fresh  
cut and prepared.

Laurel, Hemlock, all Decorative Evergreens.

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NEW YORK QUOTATIONS PER 100. To Dealers Only

**ROSES AND CARNATIONS**

	Last Half of Week ending Feb. 12 1916		First Half of Week beginning Feb. 14 1916	
American Beauty, Special	35.00	to 40.00	35.00	to 40.00
" " Fancy and Extra	15.00	to 25.00	15.00	to 25.00
" " No. 1	5.00	to 12.00	5.00	to 12.00
Russell, Hadley, Hoosier Beauty	12.00	to 40.00	12.00	to 40.00
Killarney, Richmond, Hillingdon, Ward, Extra	8.00	to 10.00	8.00	to 10.00
" " Ordinary	3.00	to 6.00	4.00	to 6.00
Arenburg, Radiance, Taft, Key, Extra	8.00	to 12.00	8.00	to 12.00
" " Ordinary	3.00	to 6.00	4.00	to 6.00
Ophelia, Mock, Sunburst, Extra	8.00	to 15.00	8.00	to 12.00
" " Ordinary	4.00	to 6.00	4.00	to 8.00
Carnations, Fancy	1.50	to 2.00	1.50	to 2.00
" " Ordinary	.75	to 1.00	.75	to 1.00

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WHOLESALE FLORISTS

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Telephones, 13-8510 Madison Square

MAURICE L. GLASS, Treasurer

Consignments Solicited

## Flower Market Reports

(Continued from page 254)

the sale and the wearing of violets. Roses, which have held their prices quite evenly for a long time, show some weakness now and are gradually sagging. Carnations have taken a big fall. Bulbous flowers are everywhere in large quantity, tulips in all colors, Golden Spur and other choice narcissi, including also the first arrivals of *N. poeticus ornatus*, Dutch hyacinths, freesias, etc., in unlimited supply. One flower not often mentioned, which is plainly overdone in this market at present is the wall flower. Sweet peas are seen in varied quality, the majority of them inferior. Cattleyas are doing a little better than they were and gardenias had a good call for Valentine gifts, but they are not abundant. There is some excellent forced lilac, and George Siebrecht has acacia in regal quality coming in every day from the big pubescens ranch at Chappaqua.

Trade has naturally been affected to some extent by the feast of Saint Valentine, especially for out-of-town shipments on Friday and Saturday. Outside of that, trading has been rather quiet. Prices have sagged in consequence, especially on the minor stocks, such as violets, sweet peas and daffodils—which were in larger than usual supply—anticipating the St. Valentine demand. Roses have remained scarce. American Beauty is to be had only in extra long and extra short and these but in limited quantity. Carnations in fair supply and good demand. In fact, these are the leaders of the market at the present time. Cattleyas are more plentiful and are about the only orchids around just now that are worth mentioning. There are fewer gardenias and the quality is not as good as it was. The sweet pea market remains about as last reported, namely big supplies of medium grade and very few of the fancies. Special grade lily of the valley is scarce and high. Most of the stock arriving in this item is below par and hardly salable at any price.

At least from the floricultural viewpoint, St. Valentine's Day was a red letter floral trade event. Notwithstanding the inclement weather, the flowers disappeared and the dollars appeared as never before in the honor of Cupid's special holiday. Prices were reasonable, too. Violets, orchids and lilies of the valley were very much in demand, closely followed by roses and sweet peas. With the exception of orchids stock of all kinds was plentiful and promises to be so for some time to come. Bulbous stock, is coming in plentifully, lilies especially being in demand. Possibly the most artistic Valentine's Day window seen was lined with old rose and green velvet. Special prominence, of course, was given to the large heart-shaped telescope boxes filled with a corsage of orchids, violets or gardenias with a border of small blossoms from which peeped the lace edging. The boxes were tied with broad satin ribbon in the pastel shades, which caught a huge cluster of artificial flowers.

## PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

TELEPHONE MAIN 2698

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M.

### NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Feb. 12 1916		First Half of Week beginning Feb. 14 1916	
Cattleyas	20.00	to 35.00	20.00	to 35.00
Dendrobium formosum	25.00	to 50.00	25.00	to 50.00
Lilies, Longiflorum	8.00	to 10.00	8.00	to 10.00
"    Rubrum	6.00	to 8.00	6.00	to 8.00
Callas	12.00	to 16.00	12.00	to 16.00
Lily of the Valley	2.00	to 4.00	2.00	to 4.00
Daisies	2.00	to 3.00	2.00	to 3.00
Violets	.15	to .35	.15	to .35
Mignonette	2.00	to 6.00	2.00	to 6.00
Snopdragons	3.00	to 12.00	3.00	to 12.00
Narcissus, Paper-White	2.00	to 3.00	2.00	to 3.00
"    Golden Spur, etc.	2.00	to 3.00	2.00	to 3.00
Tulips	2.00	to 3.00	2.00	to 3.00
Hyacinths	1.00	to 2.00	1.00	to 2.00
Freesia	2.00	to 3.00	2.00	to 3.00
Calendulas	2.00	to 3.00	2.00	to 3.00
Sweet Peas	1.00	to 1.50	1.00	to 1.50
Gardenias	15.00	to 35.00	15.00	to 35.00
Lilac per bunch	.....	.....	.....	.....
Adiantum	.50	to 1.00	.50	to 1.00
Smilax	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, & Spreng (100 bunches)	15.00	to 20.00	15.00	to 20.00

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I have an unlimited market for your flowers, any variety, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty-eight years in the Cut Flower Commission Business.

Write for information or call and talk it over.

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Full line of BULBOUS STOCK, BOURBONDIAS, SWEET PEAS and other Seasonable Flowers.

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St. Valentine's day ST. LOUIS made quite an impression on this market.

The demand was large and specially for violets, of which there were plenty at cheap prices most of the time. The unevenness in prices of all stock from day to day hurts the trade considerably. Roses are not in over supply and the special grades are very scarce. Lilies and lily of the valley are selling well, also all bulb stock. Sweet peas bring good prices for fancy Spencers.

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and all Seasonable Varieties of Cut Flowers

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Ferns from 2 in. pots, immediate delivery: Boston, 3c.; Roosevelt, 4c.; Teddy, Jr., 5c.; 4 in. Boston, 12c.; 4 in. Teddy, Jr., 15c., extra heavy. Cash please. B. C. BLAKE, R. D. 4, Springfield, Ohio.

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Pulverized Manure Co., Chicago, Ill.  
Wizard Brand Cattle Manure.  
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Fungine.  
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White Marsh, Md.  
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Geraniums—2,000 S. A. Nutt, rooted cuttings, \$10.00 per 1,000; 1,000 S. A. Nutt, 2 1/2 in. pots, \$18.00 per 1,000; 100 Jean Vland, 200 Perkins, 3 in., 6c. FRANK LEITH & SON, Haverhill, Mass.

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John Lewis Childs, Flowerfield, L. I., N. Y.  
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America bulbs for forcing, 1 1/2 in. up, \$8.00. Selected, \$8.00. Blooming size, \$4.00; 250 for \$1.00. Special price on large order. Write for 1916 Surplus List. BROOKLAND GARDENS, Woburn, Mass.

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Greenhouse glass, lowest prices. JOHNSTON GLASS CO., Hartford City, Ind.

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Gold fish, aquarium plants, snails, castles, globes, aquarium fish, goods, nets, etc., wholesale. FRANKLIN BARRETT, Breeder, 4815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

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**Pecky Cypress**

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King Channel Gutter.

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Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

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Michigan Cut Flower Exchange, Detroit, Mich.

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The Kervan Co., New York.

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Pallades Nurseries, Sparkill, N. Y.

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Old Town Nurseries, South Natick, Mass.

Evergreens and Hardy Perennials.

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Kroeschel Bros. Co., Chicago.

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Standard hotbed sash, 1 1/2 in. thick, with crossbar, 80c. each; lots of 25 and over, 75c. each. Blind tenons; white leaded in joints. The life of a sash depends on this construction. We GUARANTEE our sash to be satisfactory or refund your money. Glass, 8 x 8, 8 x 10, 10 x 12, or 10 x 14, \$1.50 per box of 50 sq. ft. C. N. ROBINSON & BRO., Dept. 29, Baltimore, Md.

Foley Greenhouse Construction Co., Chicago, Ill.

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H. A. Dreer, Philadelphia, Pa.

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HYACINTHS, 3 colors, 4 in. pots, \$7.00 per 100. PRIMROSES in bloom, 4, 5 and 6 in. pots, 10c., 15c., 20c. PRIMROSE MALACOIDES, 4 in. in bloom, 15c. VIN. CAS, 3 in., 4c. FUCHSIAS, 2 in., 2c. REGONIA CHATELAINE, 5 in., in bloom, 25c. CYCLAMEN in bloom, 2 1/2 in., 30c., 75c. ASPARAGUS PLUMOSUS, 4 in., 7c. AZALEAS for late forcing, 75c. GLADIOLUS bulbs, \$10.00 per 1,000. ROSENDALE GREENHOUSES, Schenectady, N. Y.

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English Ivy, Rooted Cuttings, 75c. per 100, prepaid. CHAS. FROST, Kenilworth, N. J.

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Hobmann's Famous Lily of the Valley Pipa  
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The Nut-Grower, Waycross, Ga.

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#### LILACS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.  
For page see List of Advertisers.

#### OPENING SALE FOR THE SPRING SEASON.

The MacNiff Horticultural Co., New York City.  
For page see List of Advertisers.

#### PETUNIAS.

R. Vincent, Jr. & Sons Co., White Marsh, Md.  
For page see List of Advertisers.

#### SEED AND PLANT FORCER; COLLAPSIBLE PAPER POTS.

The Cleche Co., New York City.  
For page see List of Advertisers.

#### SWAS-TEEKA GOLD MEDAL CANNA.

Conard & Jones Co., West Grove, Pa.  
For page see List of Advertisers.

#### THE ALL-IN-ONE FERTILIZER.

Alphano Humus Co., New York City.  
For page see List of Advertisers.

### PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 17, 1916.—SEALED PROPOSALS will be received in this office until 10 a. m., March 14, 1916, and then opened, for planting trees, shrubs, etc., on the grounds of the Federal Buildings at Beaufort, Bellefontaine, Bowling Green, Cambridge, Defiance, Lancaster, Loraine, Mansfield, Marion, Massillon, Piqua, Portsmouth, Salem, Wooster and Xenia, Ohio; Belvidere, Chicago Heights, Danville, Duquoin, Edwardsville, Elgin, Evanston, Granite City, Harrisburg, Litchfield, Moline, Pana, Paris, South Chicago, Sycamore and Urbana, Illinois; Bedford, Bloomington, Brazil, Connersville, Crawfordsville, Elwood, Frankfort, Goshen, Jeffersonville, Mishawaka, Peru and Princeton, Indiana; Alpena, Escanaba, Lansing, Mt. Clemens, Petoskey and Traverse City, Michigan; and Appleton, Chippewa Falls, Marinette, Menomonie, Stevens Point, Watertown and Waukesha, Wisconsin, in accordance with the specifications, copies of which as well as copies of approach plans of the several buildings may be had upon application to the respective Custodians of the Buildings, or at this office. JAS. A. WETMORE, Acting Supervising Architect.

### WANTED TO BUY

The City of Wilkes-Barre, Pennsylvania, will receive sealed bids until February 25, 1916, for 500 shade trees, 150 shrubs and 3,500 roses, etc.

Write FRED H. GATES, City Clerk, for detailed information.

### WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as six words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 147 Summer St., Boston.

### HELP WANTED

#### GREENHOUSE FOREMAN

Wanted by March 1st, a thoroughly competent man as above, experienced in the work on a private place; intelligent worker, able to take charge and produce first-class results; neat, practical and of good habits. Send references, stating nationality, to ALFRED J. LOVELESS, Wyndhurst Gardens, Lenox, Mass.

WANTED—Experienced foreman for general landscape work, with knowledge of hardy trees, shrubbery and herbaceous material, road building, grading, etc. Good salary for right party. Address "R," care HORTICULTURE.

WANTED—Capable man (married) in a commercial place growing stock largely for retail trade; must have some knowledge of design work. Address "A. A.," care of HORTICULTURE.

### SITUATIONS WANTED

POSITION WANTED by grower and designer, 16 years' experience; married; can furnish best of references. State particulars in first letter. Address "C. S.," care HORTICULTURE.

ORCHID GROWER—Commercial or private, A-1 grower; excellent references to show same. Would take charge of place where mixed stuff is grown. Life's experience age 31, married. W. care of HORTICULTURE.

GARDENER, FARMER, SUPERINTENDENT for private estate, life practical experience, laying out new places, vegetables, fruit, flowers, farm crops, and live stock; first class credentials, Scotch, married, age 45. Address, A. L. MARSHALL, 216 Cleveland St., Portchester, N. Y.

SITUATION WANTED—As head gardener on private estate, by a German, 30 years; single; very best of references. At present assistant superintendent on one of Brookline's best known private estates. BRUNO SITZENSTOK, 185 Davis Ave., Brookline, Mass.

WANTED POSITION—Competent, reliable man; life experience. American and European, on landscape, flowers, fruit and vegetables under glass and outside; general farming. Good references; no bad habits. Married, age 30; small family. State particulars in first letter. M. care of HORTICULTURE.

### FOR SALE

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. PARSHESKY BROS., INC., 215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE—An old established and good paying florist business in Montreal. Small capital required. This is a snap for a quick buyer. Address "M. A. B.," care of HORTICULTURE.

FOR SALE—Modern Greenhouse Plant, located in city of thirty thousand. Address E. A. CHURCHILL, 41 Royal St., Montreal.

## In writing to Advertisers kindly mention Horticulture

## Flower Market Reports

**WASHINGTON** The St. Valentine's Day business, according to all reports, was the best in the history of the trade. The demand for the flowers was a hard matter to keep abreast of. The dealers reported that like at Easter time additional employees were on hand. The heaviest run was in carnations, which were sold almost without price. For basket work they brought up to 75 cents per hundred. The demand for the Spencer type. There was an unprecedented demand for cattleyas which caused the price to advance. Like violets, these were slow sellers during the preceding week. All varieties of small roses sold well. The stores found themselves quickly cleaned out of red roses before the day was in full swing and the call was also heavy on red carnations. The balance of the week found a shortage of all kinds of flowers, but the demand fell off considerably.

### CARNATION "YELLOW'S."

A report from the Illinois Station in 1912, when little or no attention was given to this trouble by the carnation grower. However, since that time it has become so serious that it has been called by a number of carnation men one of the most serious diseases with which we must contend today. Although we have spent some time on this problem each season for the past four seasons, the cause of this disease remains unknown. However, at present we have several promising clues which may lead to its solution and control.

A study of carnation "Yellows" was undertaken at the Illinois Station in 1912, when little or no attention was given to this trouble by the carnation grower. However, since that time it has become so serious that it has been called by a number of carnation men one of the most serious diseases with which we must contend today. Although we have spent some time on this problem each season for the past four seasons, the cause of this disease remains unknown. However, at present we have several promising clues which may lead to its solution and control.

"Yellows" starts in the young leaves and is first noticed as small pale green areas varying in size and shape. On holding an infected leaf up to the light the dots are more plainly detected. These spots become more distinct and turn yellow, while the tissue beneath collapses. The trouble is confined not only to the leaves, but in badly infected plants, the branches and flower stems may be covered.

Apparently several distinct forms of yellows can be recognized, which differ in general appearance and subsequent behavior. The early stages of the first type consist of these small dots, scattered irregularly through the leaf. At first they are a paler green than the surrounding tissues, but distinctly delineated upon it. The spots increase more or less rapidly until they reach a diameter of 1-32 to 1/4 in. Most of these spots are approximately circular, but may be irregular in outline, rarely elongated. A single leaf may have from one to fifty or more spots. Another characteristic of this first type is, that the spots do not tend to make the leaves brittle.

The development of the second form is similar to the one above, except that while still in the early stages the spots unite and become very much elongated, so that a single spot may be 1 to 2 inches or more in length. On badly

infected leaves these elongated areas run parallel to the midrib and have a sort of flaky appearance. The leaves become very brittle and are easily snapped off. In the later stage the cells beneath the infected areas collapse, the spot becomes sunken and finally turns brown as the leaf dies.

A third form is found only on colored varieties. Here the spots in the earlier stages are yellow, but as they grow older and larger the spots become colored, the intensity depending on the color of the flower.

Microscopical observations show no rupture of the leaf surface and with a lens the bloom on the leaf above the spots appears to be undisturbed. No bacteria or fungi are present except when the surface or epidermis of the leaf is broken down. No insect punctures, as have been described for Stigmonose, have been observed in the true "Yellows;" in fact no collapsed tissue can be traced to the epidermis

except in the later stages, when the epidermis has been broken down.

This trouble should not be confused with Bacteriosis and Stigmonose. Bacteriosis is caused by a bacteria, while Stigmonose is due to insect punctures. The spots produced are distinctly different from those of "Yellows."

After examining many plants of all the standard varieties on the market, I can safely say that all varieties grown today have "Yellows." As all varieties are more or less subject to this disease we can run no record tests to determine the actual amount of loss, so that we must resort to mere observations which is not always satisfactory. The direct loss, as figured from the standpoint of flower production, is not great. However, the quality of the flower is lowered directly as the vitality of the plant from "Yellows" is lowered.

The indirect loss from "Yellows" is considerable. Observation shows that



## For Your Lawns and Gardens Use ALPHANO The ALL-IN-ONE Fertilizer

OVER 100 YEARS OF EXPERIENCE  
It is a complete organic fertility maker.  
Clean, sanitary, odorless, and contains no harmful salts.  
Rich in Nitrogen, Phosphorus, Potash, and Phosphate.  
It is thoroughly inoculated with all the good bacteria for promoting the growth of the plants, trees, and shrubs.

ALPHANO IS A COMPLETE FERTILIZER AND SOIL RATION.

If you want to know how to make a perfect lawn, send for booklet on Lawns—Their Care and Fare.

Over ten years of our established business responsibility is a guarantee that ALPHANO will and must make good.

Send for the Alphano Book.

If you want to know how to make a perfect lawn, send for booklet on Lawns—Their Care and Fare.

5 Bags for \$5. \$12 a ton in Bags. \$10 a ton in bulk, by the carload.  
\$8 a ton in bulk, by the carload.

L. O. B. Alphano, N. J.



Alphano Humus Co.

Established 1905.

17R Battery Place  
NEW YORK

this disease lowers the vitality of the plant, and with lowered vitality fungi, especially branch rot, attack the plant, causing a very noticeable loss. Branch rot, which is primarily a wound fungus, cannot attack a healthy plant, but is able to kill a weak plant in a short time.

During certain seasons of the year this disease appears to be more noticeable than at others. In the cutting bench, cuttings showing "Yellows" as a rule do not strike root easily, while apparently healthy cuttings taken from plants showing this disease root poorly. The disease is very marked when the rooted cuttings are potted up and for several weeks the young plants show considerable "Yellows," which apparently disappears by the time they are planted in the field. During July and August the plants in the field again show this trouble worse. During the winter months "Yellows" increases on the plants until spring, when the disease is at its height.

At the time of making cuttings the disease is evident and so can be avoided to some extent in the selection of cuttings. Cuttings have been selected now through three seasons, and the results show that by selecting cuttings from healthy plants only, we can control the trouble to some extent. One objection to this method is that we are unable to tell whether a plant is entirely free from "Yellows." A variety once affected with "Yellows" has not been known to entirely recover, and there is always some of the stock so infected. The weeding out process is a slow one, but the returns should more than pay for the trouble.

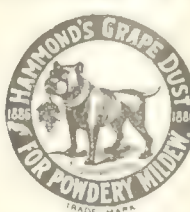
It has been observed that seedlings rarely show "Yellows." However, after cuttings have been propagated from seedling plants for two years they invariably show this condition. This brings out the interesting fact that the disease may first originate in the cutting bench where cuttings are without any vitality until the roots form, that a breaking down of some sort occurs in the tissue which later develops into "Yellows." Another factor which lowers the vitality of the cutting and so may induce "Yellows" is over-propagation.

To determine whether "Yellows" is in the "blood" of the plants a number of grafting experiments were carried out. Cuttings, layers, and shoots were taken from seedlings which had not, up to the time of the experiment, shown any "Yellows." The shoots were grafted on stock badly diseased. The grafted stock today is badly yellowed while the cuttings and layers from the same plant show little or no "Yellows." There seems to be no question whatever, that the disease can be communicated to healthy plants by grafting. A point which we hope to determine this year is whether this disease can be carried through the seed. As can be seen, the solution of carnation "Yellows" is a long task and is just as slow as producing good commercial varieties.

To summarize:

Carnation "Yellows" is due to causes still unknown. It is increasing in seriousness rapidly and is found today on all the standard varieties on the market. Some varieties appear to be more susceptible to this disease than others. Cuttings from plants showing this disease, and over-propagation tend to increase the trouble. Selection of

## USED BY FLORISTS OVER 30 YEARS



PAN-PACIFIC PRESS ASSOCIATION, LTD.

San Francisco, Calif.

October 16, 1915.

Mr. Benjamin Hammond, Beacon, N. Y.

Dear Sir: The Horticulture Jury, of which the writer was a member, awarded you a Gold Medal for your Insecticides, and when you take into consideration the fact that that Jury, outside of the writer, was composed of some of the famous experts of the world, you will realize the importance of this award. Verification of this may be obtained from Mr. George A. Dennison, Chief of Horticulture, Panama-Pacific International Exposition.

The writer has been requested to furnish a list of the articles which the Jury endorsed by their action in awarding prizes because of merit. This request comes from representatives of foreign countries and states.

Respectfully yours,

Signed: J. A. BUCHANAN, Gen. Mgr.

Pan-Pacific Press Association.

PANAMA-PACIFIC INTERNATIONAL EXPOSITION

San Francisco, Calif.

Division of Exhibits

Office of the Chief

DEPARTMENT OF HORTICULTURE

November 3, 1915.

Mr. Benjamin Hammond, Beacon, N. Y.

Dear Sir: Replying to your letter of October 28th, I wish to say that the Jury awarded Slug Shot, Grape Dust and Copper Solution a Gold Medal.

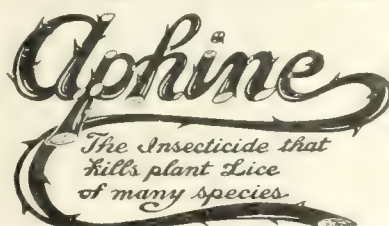
Yours very truly,

Signed: G. A. DENNISON,

Chief of Horticulture.

**Sold by the Supply Houses of America**  
**BENJAMIN HAMMOND, BEACON, N. Y.**

cuttings from entirely healthy plants will help decrease the trouble. "Yellows" does not spread from plant to plant, but can be communicated to healthy plants by grafting.



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$4.50.

### NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

Quart, \$1.50; Gallon, \$4.50.

Until further notice shipments on our products FUNGINE, VERMINE and SCALELINE will be subject to conditions of the chemical market.

Prompt shipments can be guaranteed on APHINE and NIKOTIANA.

**Aphine Manufacturing Co.**

MADISON, N. J.



### NIKOTEEN

For Spraying

**APHIS PUNK**

For Fumigating

Ask Your Dealer For It

**NICOTINE MFG. CO.**

ST. LOUIS



Unequalled for Greenhouse and Landscape Fertilizing

**THE PULVERIZED MANURE CO.**

31 Union Stock Yards, Chicago

**Guaranteed To Kill Every Scale It Reaches. What?**

**"SCALECIDE"**

money back. Only 1¢ per quart. "Don't be" It's the best and most effective for larvae, eggs of insects and fungi. It's prepared, easily used. No harm to plants, but does do the work. It is sold to hardware stores, nurseries, etc. It is the best possible for your plants. 10 years on the market. Naturally endorsed. Send for free booklet. "Scalecide" Free Saver. Write today. B. G. PRATT CO., Dept. 12, 50 Church St., N.Y.

Est. 1765

Pot Makers for a  
Century and a Half**HEWS****STRONG  
RED  
POROUS****POTS**

Inc. 1904

World's Largest  
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.  
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue  
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:  
CAMBRIDGE, MASS.  
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New houses or repairing the old ones it will pay you to write us and get one of our catalogs.

We manufacture **ADVANCE VENTILATING EQUIPMENT** and a complete line of **GREENHOUSE FITTINGS**. Illustrations, descriptions and net prices right in the catalog.**ADVANCE** stands for quality and service.**ADVANCE CO., Richmond, Ind.****DREER'S "Riverton Special" Plant Tubs**

No	Plant	Each	Doz.	100
10	20 in.	\$1.45	\$16.00	\$140.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
40	12 in.	.45	5.00	40.00
40	10 in.	.38	4.00	32.00
60	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

**HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa.****GLASS****Greenhouse Material  
Hot Bed Sashes**

Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

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**GREENHOUSES BUILDING OR CON-  
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Milford, Mass.—H. W. Austin, King house 40 x 200.

Arlington Heights, Ill.—Elmer Sigwalt, two carnation houses.

Wytheville, Va.—Wytheville Floral Co., two carnation houses each 30x75.

Pittsfield, Mass.—Lowden Bros., Pomeroy avenue, lettuce house 35 x 300.

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1,170,911. Construction of Horticultural Buildings. Robert O. King, North Tonawanda, N. Y.

1,171,263. Machine for Setting Plants. Francis O. Seymour, Keokuk, Iowa.

Horticulture Publishing Company:

Gentlemen—Enclosed please find one dollar to pay for your valuable paper for another year. I certainly enjoy reading **HORTICULTURE** and it's worth the price.

Pa.

C. B.

**Your Best "Help" —  
in all Seasons**

The modern scientific method of plant growing is made possible by the use of the Cloche Co. Greenhouse. See descriptive circular and price list, page 150. Also see the new Paper Seed Pot in green and white, for growing Tomatoes, Sweet Peas, etc. \$1.00 a dozen.

**The Cloche Co.**  
131 Hudson St., New York  
Department M.**Dreer's Peerless  
Glazing Points  
For Greenhouses**

Drive easy and true, because built on the principle of the screw. Can be used on the inside or outside of the glass and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No other can be used. Order from the inventor, HENRY A. DREER, 714 Chestnut Street, Philadelphia.

**We Just Finished These Two Green-  
houses for Mr. Rudolf Nagel  
of Lancaster, Pa.**

He says:—

*"They stand as solid as a rock; there isn't the least amount of shaking or rattling in extremely heavy wind storms."*

But this is nothing unusual to us. They are built right—that's why we are being so consistently selected by prominent Growers to build for them some of the biggest Greenhouses in the country.

**PUT YOUR GREENHOUSE PROBLEMS UP TO US**

We go anywhere in the U. S. to submit plans and prices.

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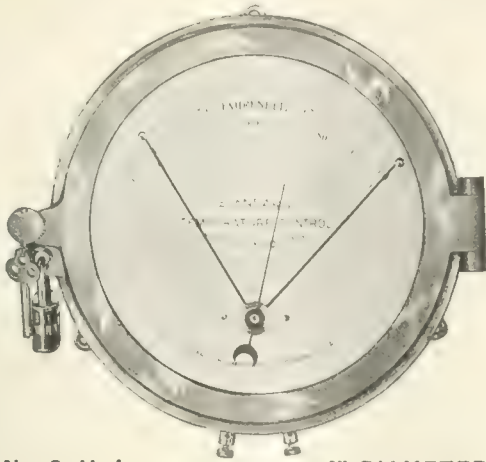
**SIGGERS & SIGGERS**Box 9, National Union Building  
Washington, D. C.**STANDARD FLOWER-  
POTS**

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

**W. H. ERNEST**

28th &amp; M Sts., Washington, D. C.

When writing to advertisers kindly mention **HORTICULTURE**.



No. G. H. 4

6" DIAMETER

## A LOYAL FRIEND

On the job night and day. Adjust the hands at minimum and maximum temperature and this always-awake little instrument will warn you if temperature goes below or above the limit. **PADLOCKED** and cannot be tampered with. Absolutely accurate. You can locate the warning bell at your bedside or elsewhere.

The Standard Thermometer Company, December 26, 1914.  
65 Shirley Street, Boston, Mass.

Gentlemen: Enclosed find check for ten dollars for two number one thermostats. Purchased of you two clocks and two thermometers in past and have had such good success with them am going to put these in remaining houses. Please hurry shipment as soon as possible.  
Yours, truly,  
Streator, Ill.

(Signed) GEORGE C. WHITCOMB.

**Costs but \$10.00**

**STANDARD THERMO CO.,** 65 Shirley Street  
BOSTON, MASS.

## KING CONSTRUCTION COMPANY, North Tonawanda, N. Y.

### GREENHOUSES

We Claim Maximum Strength and Minimum Shadow. Investigate

## FOLEY MATERIALS

ARE THE BEST FOR

### Iron Frame, Pipe Frame or Wood Frame GREENHOUSES

Estimate and Sketch Submitted Promptly

**THE FOLEY GREENHOUSE MFG. CO.**

3275 West 31st Street, - - - - CHICAGO, ILL.

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HOT BED SASH

Ask for Circular D and Prices

**THE A. T. STEARNS LUMBER COMPANY**

NEPONSET, BOSTON

## SHARP, PARTRIDGE & CO.

Are Leaders in

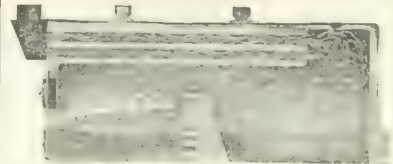
### GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

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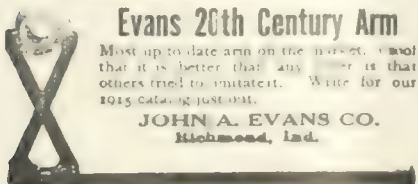


Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

## THE FLORISTS' HALL ASSOCIATION

Is a national organization insuring greenhouse glass against loss. Both commercial and private establishments are accepted. For particulars, address

**John G. Esler, Sec., Saddle River, N. J.**  
Insure Now.



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Write for Particulars

6 High St., Morristown, N. J. Phone 68 M.



VOLANTE PARK, SEATTLE, WASHINGTON.

## Materials Shipped 2776 Miles

IT'S a long jump from Seattle, Washington, to Elizabeth, N. J.

To pass by a number of nearer-by concerns, and pay additional freight to secure Hitchings houses, is certainly a strong endorsement for our construction and our method of doing business.

There seems to be an ever increasing tendency among park boards to recognize the necessity of greenhouses, not alone as a place to grow bedding plants, and harbor the semi-hardy tub things, but also from the side of enjoyment they give the deserving public.

Considered especially in this latter phase, they have logically become one of the central features of Park Landscape plans.

From this photograph you see how imposing the greenhouses are in this instance; and can well imagine the beautiful effect produced by their being the cumulating point of one of the main drives. We should be heartily glad to send you full details of the greenhouses, if you feel they would be of interest to you in connection with houses you may wish to build.

**Hitchings and Company**

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NEW YORK  
1170 Broadway

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PHILADELPHIA

40 S. 15th Street

Vol. XXIII  
No. 9  
FEB. 26  
1916

# HORTICULTURE



An Ideal Conservatory

Designed and Erected by John C. Moulton Company

Published Every Saturday at 147 Summer Street, Boston, Mass.  
Subscription, \$1.00



This is our immense pile of composting humus, containing not less than 10,000 tons. It is brought here from the deposit fields by our own industrial railway, of which we have over ten miles.

## Vital Facts About Humus

### Read Them—Protect Yourself Against Failures

**T**HE most important facts about this Humus question are the following:

1. The soil is constantly being attacked by disease bacteria.

2. The soil is constantly being attacked by disease bacteria. It is primarily because of the exhaustion of their forces, and the consequent loss of their vitality which destroys the soil building bacteria.

There are a lot of people who snap your fingers and smile amusedly, when the subject of soil bacteria is mentioned. You seem to feel that bacteria has only to do with the diseases of people and animals. You lose sight of the fact that in the mouths alone, of all healthy persons, there are always at least nine different kinds of bacteria. Each one of them is constantly helping us keep healthy by fighting disease bacteria.

If we let our system run down, the beneficial bacteria lose their strength, or cease to multiply sufficiently rapidly to destroy the disease bacteria that's always looking for a chance to get a grip on us. Then it is we are sick. Soils and people are in this respect much alike. There are bacteria that help the soils, and ones that injure them.

There are three ways of sweetening sour humus deposits, that always contain the acid making bacteria.

1. Spreading it out in thin layers over large areas, so that the air and sun can do their part in the sweetening process.

2. The adding of lime and thoroughly mixing it together after sun drying and sweetening.

3. Scraping together after sun drying, and putting in press to compost. In

water, resulting in a rapid multiplication of the beneficial bacteria.

These processes are costly, when done in a small way; and if not done in a better way, the mere cost of handling would be more than the price asked for the raw, water logged humus.

If it's not done; you run the danger in using such humus of putting into your soil an acid maker. There is no telling how much damage it may do.

In buying it at even so low as \$5 a ton, you pay for 75% to 85% of acid laden water. Or, to put it in plain figures, you pay \$5 to get \$1.22 worth

of humus, and \$3.78 for water, making an expensive way to buy water; and a mighty costly way to buy humus.

If it is an acid-free, sun-dried, high-Nitrogen, natural humus, you want, then we will sell you our superior Alphano Base for

**\$4.00 a Ton**  
By the Carload.

But by paying \$4 more, you can get our Prepared Alphano Humus, having 75 per cent to 85 per cent of the moisture mechanically driven out; and rich in nitrogen, phosphate, potash; besides containing all the nitrogen gathering bacteria that inoculates the legumes, such as peas, beans, clover and alfalfa.

The Prepared Alphano Humus is a completely balanced soil ration. It is the ideal fertility producer for your garden, lawn and shrubs.

It is a velvety black, dry odorless and free from weed

material, finely granulated, seeds.

Send for the New Alphano Book for further facts, figures and directions for use.



\$12 a Ton in Bags  
\$10 a Ton in Bags by the Carload.  
\$8 a Ton in Bulk by the Carload.



From the compost pile, the natural humus comes to these mammoth drying drums where 75 to 85% of the moisture is slowly driven out. It takes four tons of natural humus to make one of Prepared.



\$12 a Ton in Bags  
\$10 a Ton in Bags by the Carload.  
\$8 a Ton in Bulk by the Carload.

## Alphano Humus Co

Established 1905

17-R BATTERY PLACE, - - NEW YORK

# BEGONIA

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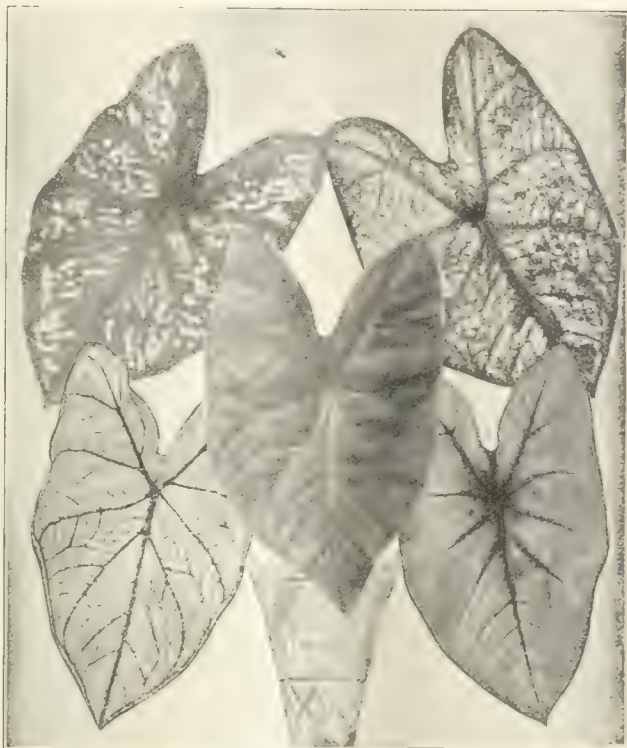
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Dr. Robert Fink, 3 1/2 ft. brilliant scarlet	2.25	20.00
Furst Bismarck, 3 1/2 ft. brilliant scarlet	2.25	20.00
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Pres. Cleveland, 3 1/2 ft. brilliant scarlet	1.50	14.00
Pres. McKinley, 2 1/2 to 3 ft. brilliant crimson	2.00	17.50
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	Per 100	Per 1000
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Altenanza, 4 to 5 ft. green foliage, red edge	\$1.35	\$12.00
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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be promptly received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"It vain our toil, we ought to blame the culture, not the soil."—*Pope*.

## Calceolarias

If these have not had their last shift do it without delay. Use a rather light loam not chopped or sifted too fine with a fourth or fifth of thoroughly rotted manure. If the soil is heavy add sand to the manure. 40 degrees at night is far better than 50 and in the lower temperatures the green aphid is far less troublesome. Give mild fumigation every week. At no time must they be allowed to wilt, and, like the cineraria, must never be over watered. Avoid extremes both ways. On clear mornings we give a light spraying over-head. Those of the rugosa section are useful at Memorial Day. These should now have their last pinching and can go in their flowering pots. Some will be starting to push their flower spikes and these are better to be pinched, which causes the plants to break freely and make much nicer flower heads. Give ventilation whenever possible.

## Palms

The appearance of specimen palms is wonderfully improved by good sponging—an operation never too often repeated—with a good insecticide. While any period in the year is a good time for the transplanting of root-bound palms repotting now will be especially good before they start too much root action. Use a substantial heavy soil which has been plentifully enriched with old manure and bone meal. Maintain a temperature not much below 60 degrees, and keep the house in a humid state after potting.

## Propagating Violets

Conditions will be right from now up to the first of April for the propagating of violets. When taking off cuttings see that they are not allowed to wilt either before or after they are inserted. They can be put in sand in a propagating bench in a house not any higher than 45 to 48 degrees. It pays well to examine the plants that cuttings are taken from and discard any that show the least trace of disease or spot. Keep them shaded until they become well established when only a slight shade will be necessary on very bright days. Give frequent sprinklings, but always see that they have a chance to dry off before night. When rooted they can be boxed off. Give plenty of ventilation whenever possible. They also root well in boxes that are well-drained and filled with sand. Do not overwater the cuttings and on the other hand see that they do not become too dry.

## Sowing Seed of Tender Aquatics

All such aquatic seed as *Nelumbiums*, *Nymphaeas*, *Victorias*, *Eichhornias*, etc., can be sown now and up to the first of April. The seed can be sown in shallow pans, using a compost of fibrous peat, leaf mold and silver sand in equal parts. Cover the seed with some of the finely sifted compost, with a good dusting of sand on top. Submerge the pots so that they will be four inches below the surface of the water, the temperature of the water to be maintained at from 80 to 85 degrees. To successfully germinate *Victoria Trickeri* and *Vic-*

*toria Regia* cut a small hole with the point of a sharp knife through the shell on the opposite side from where the germ is. An atmospheric night temperature of 60 to 65 degrees will be sufficient. After the seedlings have made two leaves, pot them singly into three-inch pots and repot into larger pots as required. When they become large enough the compost can consist of fibrous loam, well-decayed cow manure, fibrous peat and silver sand in equal parts. As they grow, submerge the pots just enough to keep the foliage floating on the surface of the water.

## Sweet Peas

We are now entering the season when our sweet peas should be producing abundance of bloom. Now when they are in active growth they will welcome some liquid stimulant—either cow or sheep manure; a bushel of the former or a peck and half of the latter to about 50 gallons of water. Start by using once a week and in two or three weeks you can give them some twice a week as the roots will become more active. Keep them as near 50 degrees at night as you can with a rise of about 15 degrees during bright days. Keep the soil at an uniform degree of moisture and preserve a genial moisture in the atmosphere, but always give plenty of ventilation when possible without causing cold draughts. The beds can also have a light mulch of either cow or sheep manure mixed with an equal amount of soil. Keep down green-fly by proper fumigation every ten days.

## Compost for Transplanting Seedlings

In order to avoid fungus it is always better to use new soil. All kinds of old soil used for previous crops under glass should be excluded in this work. On all well run places there is always an adequate supply of fresh soil to mix up compost for the filling of pans and flats. Most seedlings do well in a mixture of leaf mold, new soil and sand in equal parts.

## Forcing Gladioli

John J. M. Farrell,

Dear Sir:—Please tell me through your valuable paper if a rose house with a temperature of 60 to 62 degrees would be all right to force Gladioli.

Yours truly,

Chillicothe, Mo.

R. L. ISHERWOOD.

In answer to Mr. Isherwood, a temperature of 60 to 62 would be too high to produce good spikes. All the small-bulbed gladioli such as *Colvillei*, *The Bride*, *Peach Blossom*, *Crimson Queen*, *Mathilde*, *Blushing Bride* and others, also the large-flowered sorts such as *America*, *Augusta*, *May*, *Silver Trophy*, *Shakespeare* and others, like a temperature of from 50 to 55 degrees at night with a rise to 65 to 70 degrees during sunshine. Under too high a temperature they become weak both in flower and foliage. Keep the temperature as near 50 degrees at night as possible as this is as high as they seem to care for. They also like more ventilation than is possible in a rose house. A carnation house temperature and surroundings will suit them better than a rose house.

Next Week:—Care of *Chrysanthemums*; *Geraniums*; *Shading Orchids*; *Subtropical Bedding Stock*; *Young Carnations*; *Outside Frames*.

## Actinidia arguta

This handsome, climbing vine, one of the most beautiful of the forest plants, is native to the mountains of Japan. It is a very hardy plant, and is well adapted to our climate. It is a very hardy plant, and is well adapted to our climate. It is a very hardy plant, and is well adapted to our climate.

however, and we therefore take pains to supply the most reliable material, which will undoubtedly be of great value to our readers. A single specimen of the plant, which is a very hardy plant, and is well adapted to our climate. It is a very hardy plant, and is well adapted to our climate. It is a very hardy plant, and is well adapted to our climate.



## Magnolia salicifolia

My attention has been called to the illustration of *Magnolia salicifolia* on the cover of the issue of HORTICULTURE for January 8, and I have been asked if this identical plant exists in the Arnold Arboretum. The note at the foot of the photograph gives that impression, which is erroneous. *Magnolia salicifolia* is not native to our country, as we might have expected at the Arboretum. The original plants in the Arboretum, grown from seed collected by Professor C. S. Sargent in Japan, in 1892, have long since died without flowering, and the plants now in the collection were either grafted from the original lot or are importations from a nursery in Holland. Probably some of the original seedlings still exist in establishments to which they were distributed from the Arboretum.

The illustration in question was taken from a plant growing in Kew Gardens in England, and was published in *The Garden* for April 18, 1914. Whether this plant was one of the original Sargent collection of 1892, or was a plant bought from a Japanese nursery in 1906, cannot be definitely stated by me, but it seems probable that it had the latter origin. At least this definite statement is made in the *Botanical Magazine*, for March, 1913, in connection with a pretty colored figure of the flowers there given. It is there stated that the flowers from which the figure was made came from plants purchased for Kew from a Japanese nursery in 1906, that a few flowers were borne in the spring of 1911, while a profuse crop of blossoms was produced in the spring of 1912. A photograph of a flowering branch of this was promptly given in *The Gardeners' Chronicle* for April 6, 1912.

In view of the above and other facts the statement by Mr. E. O. Orpet, in HORTICULTURE for January 29, that "all the plants in cultivation today are from seedlings raised by Jackson Dawson," from seed collected by Professor Sargent in 1892, is certainly incorrect and misleading to those who care for facts or reliable data in the history of horticulture in America. Poetical license in writing makes pleasant reading and has its place in literature. But we already know too little about

the actual dates of introduction of many of our plants to be patient with misleading statements which many might accept as authoritative. Certainly the first known record of introduction is through seeds collected by Professor Sargent in 1892, but, as already stated, they have not furnished "all the plants in cultivation today."

With regard to the flowering of this interesting magnolia, it may be stated that two or three flowers were produced, on a small grafted plant, for the first time in the Arnold Arboretum, in the spring of 1915. So far as known the first flowers in this country were produced in April, 1910, on the estate of Mr. T. E. Proctor at Topsfield, Mass. These plants were procured from the Veitch nurseries in England, in 1903, and are now about eight feet high. These are probably plants propagated from some of the original lot raised at the Arnold Arboretum and sent to Veitch, who had failed to raise them from the same collection of seed. Mr. E. H. Wilson states that he saw a single flower, the first known in England, on this magnolia in the Veitch nursery in 1905, but there appears to be no published record of this fact.

It may interest readers of HORTICULTURE to know that this interesting magnolia is offered by Japanese nurseries, doing a large business with America, by the hundred at 20 to 25 cents each, in Yokohama. I saw them in such nurseries over ten years ago and know they were true to name.

This note is written because, to quote Mr. Orpet, in "making horticultural history" and "should the annals ever be written" it is desirable to have that history as nearly correct as possible.

J. E. Jack

East Weymouth, Mass.

\*Only a careless reader or one ignorant that "Eng." after "Kew Green" is an abbreviation for "England," could get the impression that the identical plant pictured in HORTI-

## ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur Ruzicka*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

### Early Planting

Houses that are to be planted early, say in April or May, can be cut away back to the hard wood when cutting roses, leaving no eyes at all. The additional stem thus gained will be enough to make quite a difference in the grades of the roses cut, as most of those that were No. 1's formerly will now become extras, and the price they bring will be corresponding. It is only waste to leave the eyes when the houses are to be planted soon, for the growth that may come from the eyes left will not have time to develop into a bud before the plants are torn out. If the plants are to be replaced again it will be best to keep them clean, feeding them moderately all the time so that they will not lose any of their vitality. If the plants are to be thrown away it will be as well not to do any more to them than is necessary, and certainly no leaves should be picked and no manure applied, unless there happens to be an extra fine crop coming on which will take most of it out of the soil. If the plants are to be thrown away, it may also pay to run the houses a shade warmer being careful not to carry it too far, so that the buds will not get too small and bring very little in the market. Should they become small it will be best to cut them a shade tighter than is customary, and keep them for a day in a moderate ice box, and they will develop to nearly twice the size. This is done by a great many growers in the summer and can be done in the winter too, only the ice box must not be below 48 or the buds would not open much if at all.

### Storing Manure

Where a dairy is a part of the establishment, the manure that is not used up in the greenhouses often becomes a problem to the man in charge. There is no set rule for storing manure as it all depends on local conditions. With level land sown to grass or green cover crop such as rye and vetch or wheat, it will be best to spread the manure right out on the field as it will be easier to do this now when the ground is frozen than later when it becomes soft. Where the land is hilly and no crops on it, it will be better to store in heaps here and there, making the hauling for spreading later as short as possible. These heaps should be nicely squared to look better and to keep as much water out of it as possible, and should the heap get hot turn it over every now and then. It will pay to do this for there is no

better plant food than a good load of manure, the only trouble being that through neglect or ignorance a large part of the most valuable liquids and gases escape and the results later are not as good as was expected. An ideal way is to have a good manure shed with a concrete floor and a cistern to receive and store all leaching. This, however, is not to be had on most places but the manure pile should never to neglected.

### Sheep Manure

As the sun gets stronger the rose plants will stand much more feeding than they formerly did and liquid manure may not always be applied when needed, also it may be impossible to mulch just then owing to the rush of other work. For this work a good brand of sheep manure can be used to good advantage, being careful to select a good brand, free from weeds and put out by a reliable dealer. With bonemeal and tankage going up in price it will be well to use a little sheep manure in place. It is rich in nitrogen so it had better not be applied to houses that are rather soft. It is also well not to apply too heavy a dose all at once; rather apply another as soon as the plants need more. The coarse manure can only be used in the liquid manure tank, but the pulverized is best applied right to the benches. See that there is enough mulch on these to hold it where it is put so that it will not wash all over when the benches are watered, thus giving some places a lot of it and others very little. It will be best to have the benches wet, or at least not very dry when it is applied, same as with any other material.

### Keep After the Vents

As the sun is much stronger now the houses will heat up much quicker in the morning and the fires should be stopped much sooner. It will also be necessary to see that air is applied on time so that the houses do not get too hot. Mildew will be troublesome again soon so it is best to try to keep the plants clean, and this can only be done by careful use of the ventilators. It will be necessary to air the houses earlier in the morning and not close them at night until sunset. This cannot be done just yet, as ice will get under the ventilators, but as soon as the longer days of March are here it will be necessary, for if the houses are closed down too soon the air will become stagnant and smelling and the plants will mildew much quicker than if they have plenty of fresh air all the time.

Illustration January 8, was growing in the Arnold Arboretum. In the text it is clearly implied that this magnolia in flower is a stranger to Jackson Jackson. The photograph from which our illustration was made had never been used before. That a print from the same or a similar negative has been used previously elsewhere is no concern of ours. That

there have been other introductions of *M. speciosa* to this country and to Europe we do not dispute, but the essential fact remains:—It was first introduced to cultivation from seeds collected in Japan by Professor Sargent and that Veitch's owed their stock to this same source is stated expressly in *Hortus Veitchii*, p. 370.—[Ed.]

Entered as second-class, after December 8, 1914, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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### Fertilizer and insecticide dilemmas

for domestic or other available sources of supply. The latest encouragement in this direction comes from the Commissioner of Fisheries concerning large bone deposits which have been located on the Pribilof Islands but the practicability of utilizing these deposits in a commercial way has yet to be determined. The fertilizer problem has its counterpart in the insecticide industry where similar difficulties have come in on account of the scarcity and greatly increased price of certain staples. We learn from the N. Y. Commercial that paris green is practically out of the market in this country, resulting from the inability to obtain sufficient quantities of blue vitriol, as well as white arsenic for its manufacture. The insecticide people have troubles of their own, as can be plainly seen, and as for the horticultural people, eternal vigilance to nip all insect raids in their early stages, seems to be the only safe line of action.

**Build  
now**

The advancing price of window glass, white lead and other materials entering into the construction of greenhouses suggests the advisability of early action on the part of parties con-

The following are quotations from "Pittsburgh Mail," a paper published by the Pittsburgh Plate Glass Company at its head office, reports received directly in view also about demand for flat glass, and expert opinions and forecasts after further advances in getting into actual production quantities. The advance in weight had good consequences of the strong optical material in use here and the present price situation generally is a very fine one. The time is long, also steel and mainly as other materials entering into the construction and equipment of appliances are at present high priced with no prospect of a reaction. We understand that the annual tonnage of the United States Steel Corporation is at present a little over 8,000,000 tons. In addition to the present high cost of materials, labor undoubtedly will be scarce and high priced next spring and summer. Thousands have gone to Europe to join the colors, and practically none are coming from Europe. The country is busy, and thousands are employed making munitions, bridges, and other construction work. Factories of all kinds are now being operated to capacity. Strikes will certainly follow these conditions, and there will probably be no relief from this upset condition inside of a year or two. So all considerations of prudence and foresight would seem to favor proceeding without delay in the matter of any contemplated building. There is nothing in the situation which suggests the slightest advantage in delay now.

## Time to call a halt

Time to call a halt

It is stated that at the annual meeting of the Association of Official Horticultural Inspectors a resolution was adopted and sent to the Federal Horticultural Board urging "that the federal quarantine be strengthened and that an absolute quarantine be placed on all plants with soil about the roots, except such as are introduced by the U. S. Department of Agriculture for experiment and those to be held in quarantine for a reasonable period." There is nothing in the report to indicate that men in any way connected with practical horticulture or representative of the interests affected had any voice in this decision which certainly has a very drastic tone. No reasonable horticulturist has any fault to find with the principle of which our existing inspection and quarantine laws are based. But it is an accepted truth that "Best things carried to excess are wrong," and here seems to us to be an example of excess that may justifiably be interpreted as contemplating arbitrary oppression. The impossibility of importing palms, araucarias, bay trees, rhododendrons, azaleas and numerous other horticultural stocks, should such a proposition become a law, needs no proving and should the firms who import these goods from abroad or the growers who plant and cultivate them resent this new drive against their business as an unwarranted persecution they can hardly be blamed under the circumstances. Much has already happened from the operation of the rigorous rules now existing, to dishearten the horticulturist and retard the progress of horticulture in this country. We have seen scions of rare trees and shrubs from abroad that had been completely killed by the superfluous cyaniding process they had been submitted to in Washington. It seems an injustice that the florist and nursery interests should have to suffer so much from theoretical and often panicky legislation based largely on individual notions and put in effect by over-zealous public officials who know little and appear to care little as to the mischief caused. If the Society of American Florists is looking for an opportunity to do something for the industries which it represents, the conditions here commented upon present an excellent opening.

## CLUBS AND SOCIETIES

### LANCASTER COUNTY FLORISTS' CLUB.

One of two things seems certain; either 3.30 is a more popular hour than 1 o'clock, or W. B. Girvin has a magnetic attraction to draw a crowd, for our visiting trips this winter have not been overcrowded numerically, but this time we had a full twenty-five and they were all well repaid.

Carnations are, of course, the principal feature at this as at all Lancaster County places and his Matchless proves that this variety is a profitable one as the main crop was just off, but enough flowers coming to keep up expenses until the second large crop would follow, which will be about Mothers' Day. Beacon, while not quite so good as last season, has produced its quota and is soon ready for pulling out to make room for young stock. Mrs. C. W. Ward is producing some mighty fine blooms, but along with them about five per cent. of splits and poorly colored flowers. Mrs. Akehurst is highly thought of and will be planted very extensively next season, in fact pretty nearly to the exclusion of all other pinks. Gloriosa is in good shape as well as Pink Delight, but successors that will produce more cuttings are being looked for. Chrysanthemum and carnation cuttings and Asparagus plumosus are a feature here and potted stock runs into large figures.

Our club members seem rather lacking in due courtesy and hospitality to the gentlemen who come to give us valuable talks at the expense of their own time and money, but there is one place where we do not fall down and, in proportion to the membership of the club, hold the record for the U. S., and that is in turning out to hear our different speakers. Mr. M. C. Wright of the Lord & Burnham Co., who was the speaker on this occasion, certainly had a large and appreciative audience. The vote of thanks at the end was a real one from the heart. The slides accompanying the lecture were highly appreciated and added much to the body of the paper.

On the exhibition table were sweet peas from E. P. Hostetter of Manheim and Purity Freesia from John R. Shreiner and Rudolph Nagle proved to us by his vase of mignonette that he knew the business well enough to make his first attempt a complete success.

Visitors were Dennis Connor and M. C. Wright of the Lord & Burnham Co., T. J. Nolan of the King Construction Co., Mr. Kenny of The Cumberland Floral Co., Harrisburg, Pa.; E. S. Rutt of Elizabethtown, Pa., and several others.

In addition to the routine business of the club a proposition was presented by H. Horter Fricke for The Philadelphia Press in relation to a special for Flower Show week and in which the club has taken a five-inch double column space for general publicity purposes and in which will appear a full

### Meetings Next Week

Monday, Feb. 28.

Florists' and Gardeners' Club of Rhode Island, Swartz Hall, Providence, R. I.

Gardeners' and Florists' Club of Baltimore, Florist Exchange Hall, Baltimore, Md.

#### COMING EXHIBITIONS.

March 7-8, Moline.—Annual meeting and exhibition of the Illinois State Florists' Association.

March 17, 18, 19, Boston.—Spring Exhibition Massachusetts Horticultural Society, Horticultural Hall.

March 25-April 2, Philadelphia.—Fourth National Flower Show of the Society of American Florists, Convention Hall, Broad Street and Allegheny Avenue.

April 5-12, New York.—International Flower Show of the Horticultural Society of New York and the New York Florists' Club, Grand Central Palace, Forty-sixth Street and Lexington Avenue, New York.

May 10, 14, Boston.—May Show Massachusetts Horticultural Society, Horticultural Hall.

list of our membership. It was also voted that we buy 100 tickets for the use of our club members, and arrangements are on foot for a Lancaster Day with special trains and special rates.

The Programme Committee, through its chairman H. K. Rohrer, has in store for us next meeting, March 16th, an illustrated lecture by Richard Vincent, Jr., on the bulb industry in Holland, and we shall have our wives and sweethearts at this meeting.

President Schroyer seems determined to give the girls a chance at our bachelor florists this present leap year and appointed a committee to arrange for a Ladies' Night the Thursday after Easter, to take the place of our April meeting, which would fall three days before Easter—an inopportune time for most of us.

ALBERT M. HERR.

### ST. LOUIS CLUB AND SOCIETY MEETINGS.

The County Growers' Club meet on Wednesday, March 1st at the Eleven Mile House. A lot of business is to be transacted, so says acting President Edwards.

The Retail Florists' Association met on Monday night, Feb. 21, at Mission Sun Garden. President Young presided and the attendance was large.

The officers of the Florist Club meet next week, Thursday, March 2d, at Secretary Beneke's home, 3648 Humphrey street. Plans will be mapped out for an interesting meeting for March 9th.

W. N. Craig, of Brookline, Mass., will address the Rhode Island Horticultural Society members and others on Friday evening, March 3, at Manning Hall, Brown University, Providence, on the subject of "Beautifying the Home Grounds."

### CONNECTICUT NURSERYMEN'S ASSOCIATION.

The Tenth Annual Meeting of the Connecticut Nurserymen's Association was held at Hotel Garde, Hartford, Conn., Feb. 18, President W. E. Campbell presiding. The report of the treasurer showed the financial condition of the association to be in first-class shape. W. E. Campbell of Elm City Nursery Co., New Haven, Conn., was re-elected president; F. S. Baker, of New Haven, vice-president; F. L. Thomas, of The Pequod Nursery Co., Meriden, re-elected treasurer.

At the afternoon session the following program of entertainment and instruction was carried out: Address by W. W. McCartney, "Standardization of Nursery Stock"; address by Prof. Ralph C. Hawley, "Results of Our Appearance Before the Federal Board in Washington, D. C."; address by J. R. Barnes, "Possibilities of Machinery for Reducing Cost of Labor in the Nursery Business"; address by Dr. Geo. P. Clinton, "Hereroecious Rusts Found in Connecticut Nurseries"; address by Stephen Hoyt, "Is the Motor Truck Practical for Our Business"; address by Dr. W. E. Britton, "The Problem of Inspection Quarantine."

We were disappointed that two of our expected guests and speakers were unable to be present, viz.: Alex. Cumming, Jr., Cromwell, who was to speak on "Commercial Handling of Roses," and W. B. Hatch, who was to speak on "Suggestions From an Experienced Landscape Gardener."

The President made the following appointments: Standing Committees for year 1916—Legislative, F. E. Coe, chairman, New Haven; Stephen Hoyt, New Canaan; J. R. Barnes, Yalesville; Executive, W. W. McCartney, chairman, New Haven, Gustave Minge, Hartford; F. S. Baker, New Haven; Entertainment, Paul M. Hubbard, Bristol, chairman; Charles Turner, Hartford; E. A. Brassill, Hartford.

### CLUB AND SOCIETY NOTES.

The February meeting of the New London Horticultural Society was held on February 10th when Chas. H. Totty of Madison, N. J., spoke on the "Culture and Care of Hardy Chrysanthemums," giving a list of the best varieties. The tables were filled with plants and cut flowers, including cinerarias, primulas, cyclamen, freesias, carnations, etc. The secretary announced that Professor Guley, of Storrs' College, would speak at the March meeting on "Spraying and Pruning." H. E. L.

At the monthly meeting of the Medford Horticultural Society on Feb. 15, J. K. M. L. Farquhar lectured before one of the largest audiences in the history of the Society. Hon. Wilton B. Fay presided. The subject of the lecture was the Gardens of China and Japan. Many fine pictures were thrown on the screen, and Mr. Farquhar drew attention to the manner in which all

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52, 54 and 56 Vesey Street, NEW YORK

## Opening Sale for the Spring Season

ON TUESDAY, MARCH 7th, at 11 O'CLOCK A. M.

Sales will be continued each TUESDAY and FRIDAY until the end of June

### NATIONAL FLOWER SHOW.

Philadelphia, March 25th-April 2d.

The Hotel Walton has been chosen as hotel headquarters for the National Flower Show.

Several additions have been made to the Schedule in the way of special prizes. Geo. C. Thomas, Jr., Chestnut Hill, Pa., offers a prize of \$50 in the classes for private growers, for the best collection of cut roses, comprising the varieties, Killarney, or Double Pink Killarney, Lady Alice Stanley, My Maryland, Jonkheer J. L. Mock, Ophelia and Mrs. Aaron Ward. He also offers in the same section a \$50 prize for the best collection of climbing roses in flower.

A splendid location has been decided upon for the exhibits of retailers, and J. J. Habermehl's Sons, of Philadelphia, have reserved 600 sq. ft. in this section. This reservation, with the others previously reported, insures a good representation of retailers.

The orchestra is to be placed on a platform over the aisle leading from the main floor to the main floor extension, a position which is very good acoustically, and forms a connecting link between the two floors.

The ladies having in charge the Tea Garden at the New York Show are arranging to visit the Philadelphia Show in a body, the friendly rivalry existing between the two cities in regard to their respective tea gardens creating quite an interest in the entertainment features of both shows.

The Boy Scouts of Philadelphia will officiate as ushers at the show, and will place themselves at the service of the visitors with their usual ability.

The Schedule for the Show includes an aquarium exhibit such as never before attempted. Aquatic plants will, of course, be a feature in this section. There are over fifty classes in this section, and it will prove to be a unique feature of the Show.

The Final Schedule is now in the printer's hands, and will be distributed about March 1st.

The trade space on the main floor is practically now all reserved, but some excellent locations on the main floor extension, which will be a popular section of the Show, are still available.

JOHN YOUNG, Secretary.  
53 W. 28th Street, New York City.

### CHICAGO TO PHILADELPHIA.

At the February meeting of the Chicago Florists' Club the Pennsylvania Railroad was selected as the route to the National Flower Show, the club

party leaving the Union Station, on Saturday, March 25, the opening day of the show, at 3.15 P. M., due Philadelphia 5.50 P. M. the following day. The individual fare in either direction, between Chicago and Philadelphia, is \$19.10 and the party fare for 10 or more people on one ticket is \$17.39 per capita between the same points in either direction. The Pullman fares are \$3.60 for upper berth, \$4.50 for

at a cost of \$21.10 with the privilege of a 10-day stopover at Philadelphia.

For reservations, etc., address District Passenger Agent, E. K. Bixby, 175 West Jackson boulevard, Chicago. Telephone, Wabash 3660.

MICHAEL BARKER.

Chairman Transportation Committee.

### NEWS FOR NURSERYMEN.

Nurserymen everywhere are reminded that the forty-first annual convention of the American Association will be held in Milwaukee, Wis., June 28th, 29th and 30th. Unusual interest attaches to this announcement. At the Detroit convention last year a new constitution was adopted, the object sought being to increase the value of the organization to members by the larger scope given to its activities, embracing increased benefits to members, not the least of which is intended a greater volume of business and better profits. In fact the American Association of Nurserymen as it exists today under the reconstruction plan decided upon at the Detroit meeting occupies an unique position before the trade, and it is evident that the men which the Association expects to retain as members think more of their membership because of the action referred to than ever in the past.

A very comprehensive article, written by J. R. Mayhew, answering the question "Why I should Retain My Membership in the American Association of Nurserymen?" has appeared in some of the trade publications, and sets forth in simple but convincing language the claims of the Association upon every reputable nurseryman in the United States. Those seeking full information as to benefits and terms of membership are asked to communicate with John Hall, 204 Granite Building, Rochester, N. Y., secretary. The convention will be a very business-like assembly, with a program of great merit.



HOTEL WALTON, PHILADELPHIA, PA.

lower, and \$16 for a drawingroom, two tickets being required for the exclusive use of a drawingroom.

Other Pennsylvania Railroad trains for those who can not leave with the club party are: Pennsylvania Limited, leaving Chicago 5.30 P. M., due Philadelphia 3.08 P. M. (excess fare \$4), and 10.30 A. M., due North Philadelphia 7.19 A. M. (excess fare \$5).

Persons desiring to visit New York during the show at Philadelphia can secure one-way tickets to New York

## ASPARAGUS PLUMOSUS NANUS SEED

All greenhouse grown and well ripened. Send your orders early.

1000 Seeds at \$3 per 1000; 5000 Seeds at \$2.75 per 1000  
10,000 Seeds at \$2.50 per 1000

SPECIAL PRICES ON LARGE ORDERS.

W. H. ELLIOTT BRIGHTON  
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## SEED TRADE

### AMERICAN SEED TRADE ASSOCIATION

Officers—President, J. M. Lupton, Mattituck, L. I., N. Y.; First Vice-President, Kirby B. White, Detroit, Mich.; Second Vice-President, F. W. Bolgiano, Washington, D. C.; Secretary-Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O.; Cincinnati, O., next meeting place.

### One Week's Imports.

Imports at the port of New York of horticultural material for the week ending Feb. 11 were recorded as follows:

Bulbs—France, \$15; Netherlands, \$499; England \$86; Canada \$55.

Other plants, etc.—Denmark, \$62; France, \$11,323; Italy, \$4; Netherlands, \$825; England, \$42; Hongkong, \$3.

Red clover seed—France, \$51,695; Italy, \$3,488.

Grass seed—France, \$3,795; Spain, \$2,702; Scotland, \$211.

All other seed—France, \$5,658; Netherlands, \$6,745; England, \$3,402; Hongkong, \$336; Denmark, \$17; Spain, \$555.

Guano—Jamaica, \$600.

Kainit—Peru, \$297.

Other fertilizers—Argentina, \$4,055.

### Notes.

St. Louis, Mo.—All the seed houses have secured extra help as a busy season is upon them.

Los Angeles, Cal.—The West Coast Seed Company is moving to larger quarters at 620 S. Spring street.

Atlantic, Ia.—A new seed store was opened here Feb. 5 by the C. E. Malone Seed Co. in the Fulton building, 5th and Chestnut streets.

Faribault, Minn.—The Farmer Seed & Nursery Company has purchased the business of the Faribault Seed Co., and will continue the business under the old name.

### CATALOGUES RECEIVED

James Smalley & Co., McPherson, Kans.—Garden and Field Seeds for 1916. Illustrated.

Wm. Toole & Son, Baraboo, Wis.—Catalogue for 1916 of The Hardy Plant and Pansy Farm.

James Smalley & Co., McPherson, Kans. Wholesale Price List of Vegetable and Grass Seeds in Bulk.

N. A. Hallauer, Ontario, N. Y.—A Select List of Gladioli, Dahlias, Roses and Hardy Plants for Spring 1916.

J. Chas. McCullough Seed Co., Cincinnati, O.—1916 General Seed Catalogue. 104 pages, fully illustrated.

George H. Walker, North Dighton, Mass.—Dahlias for 1916. A quite complete list of choice sorts, pocket size.

Young's Seed Store, St. Louis, Mo.—Garden Book for 1916. An illustrated seed and plant catalogue, in attractive covers.

J. J. Wilson Seed Company, Newark,

## SEEDS--ONION SETS

Appreciation of a high order of Merit in Seeds and Seed Service leads naturally to purchasing from

### LEONARD SEED COMPANY

226-230 W. KINZIE ST., - - - CHICAGO

N. J.—Seed Annual for 1916. "Neat but not gaudy," a very fetchy publication in its line.

Northboro Dahlia and Gladiolus Gardens, Northboro, Mass.—Catalogue and Price List for 1916.—A selection of the best varieties; well illustrated.

D. Hill Nursery Co., Dundee, Ill.—Wholesale catalogue for 1916 of evergreens, etc., of which this firm are the largest growers in America.

Metzner Floral Company, Mountain View, Cal.—Price List for 1916 of Plants, Seeds and Bulbs. Novelities are listed in petunias, gladioli, pelargoniums, etc.

Rosedale Nurseries, S. G. Harris, prop., Tarrytown, N. Y.—A close printed, comprehensive and attractively illustrated list of ornamental and fruit nursery stock.

Canadian Seed Growers' Association.—Catalogue of Registered and Improved Seeds of 1915. Always interesting as showing advancement in seed selection and purity.

A. E. Kunderd, Goshen, Ind.—1916 Catalogue of Gladioli, originated by this well-known specialist. Ruffled and other choice strains are herein described and elegantly illustrated.

J. F. Noll & Co., Newark, N. J.—1916 Catalogue of Seeds, Plants, Bulbs, Fertilizers and Poultry Supplies. Covers very tastefully designed. Illustrations and text excellent in every way.

Blue Hill Nurseries, So. Braintree, Mass., Julius Heurlin, prop.—Pocket Edition of Catalogue of Specimen Evergreen Trees, Shrubs and Herbaceous Perennials. A valuable and reliable list.

Peter Henderson & Co., New York.—"Farmers' Manual." Comes in one of the "cutest" covers we have seen. A catalogue of high-grade agricultural seeds which cannot fail to interest the soil tiller.

Bobbin & Atkins, Rutherford, N. J.—Illustrated General Catalogue. Revised edition for 1916. One of the most elegant publications in its class in this country; 162 pages, beautifully illustrated.

Sutton & Sons, Reading, Eng.—Sutton's Farmers' Year Book and Graziers' Manual. An interesting and very convincing illustrated catalogue of improved field crops. Some useful tables are given.

A. T. Boddington Company, Inc., New York, N. Y.—Wholesale Price List of Seeds, Bulbs, Plants and Sun-

dries, January to June, 1916. "The Seal of Quality" appropriately adorns this publication, a copy of which should be in the hands of everyone in the trade. Contents well selected and fully illustrated.

Peacock Dahlia Farms, Berlin, N. J.—"The World's Best Dahlias, New Creations and Old Friends." The cover of this really beautiful catalogue is resplendent with a life-size portrait of the sensational red decorative dahlia Minnie Burtle. The illustrations throughout are of exceptional quality and the selections are those of an expert.

### MOVEMENTS OF GARDENERS.

Among the recent appointments are the following: Chestnut Hill, Mass.—Henry Eaton, head gardener for Mr. R. M. Saltonstall. Buffalo, N. Y.—Alexander Reid, superintendent for Mr. J. J. Albright. Detroit, Mich.—Wm. H. Griffiths, superintendent for Mr. E. D. Speck, Grosse Pointe Shores. Lake Geneva, Wis.—Wm. McKinnon, foreman at Alta Vista Farm. Everett, Washington—Richard Iverson, superintendent of public parks.

Alex. Laurie, formerly head of the department of floriculture at the University of Maine, has been appointed horticulturist of the Missouri Botanical Gardens, and will assume work March 10.

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## Of Interest to Retail Florists

### NEW FLOWER STORES.

Elyria, O. F. L. Gunton.

Joplin, Mo.—Helen Donehue.

Hartford, Conn.—Edward Larch Park street.

Jackson, Mich.—Henry M. Burt, 108 Francis street.

Chicago, Ill.—D. T. Matchem, 3428 Michigan avenue.

Wichita, Kan.—C. P. Mueller, Palace Theatre block.

W. Hoboken, N. J.—Geo. W. Goldner, 230 Summit avenue.

Buffalo, N. Y.—Charles H. Netsch, wholesale house March 1st.

San Francisco, Cal.—Gus Taylor, McAllister street, near Fillmore.

Superior, Wis.—Mrs. C. E. Ashley, Tower avenue, succeeding Miss L. O'Sullivan.

San Francisco, Cal.—Fillmore Floral Co., 942 Fillmore street. T. Mosco, Geary street, near Kearny.

Los Angeles, Cal.—Rosemary Flower Shop, 815 W 7th street, W. H. Shuman and F. J. Redmond, proprietors.

### BUSINESS TROUBLES.

Everett, Mass.—Henry M. Pratt, landscape architect; liabilities, \$1,523.51; no assets.

San Francisco, Cal.—Luther Burbank Company. The voluntary petition filed by the directors gives assets \$108,556, and liabilities \$73,372.

Chicago, Ill. — The flower store of Fred Ronsley, Dearborn street, was closed by creditors Saturday night, Feb. 19th. The fixtures have been disposed of and the lease canceled.

New Bedford, Mass.—Frank L. Gray and Wm. M. Post, doing business under the firm name of Post & Gray, florists, have filed a petition in bankruptcy. Liabilities, \$4938; assets, \$2036.

### NEWS NOTES.

Dunkirk, N. Y.—Gustave Groll has leased the greenhouses of Theake F. Vander Meulen at 7th and Eagle streets.

Richmond, Ind.—The Knopf Floral Company has been purchased by Wm. H. Gardener, formerly manager of P. J. Olinger's greenhouses at Newcastle.

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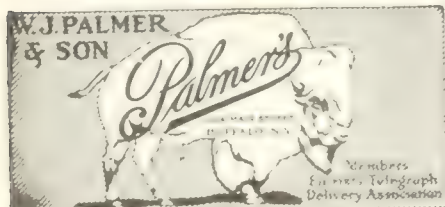
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Albany, N. Y.—The Rosery, 23 Steuben  
St.

Albany, N. Y.—Danker, 40-42 Maiden  
Lane.

Albany, N. Y.—William C. Gloeckner, 97  
State St.

Boston—Thos. F. Galvin, 1 Park St.

Boston—Penn the Florist, 37-43 Brom-  
field St.; 124 Tremont St.

Buffalo, N. Y.—S. A. Anderson, 440 Main  
St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan  
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid  
Ave.

Cleveland, O.—Adam Graham & Sons,  
5523 Euclid Ave.

Cleveland, O.—Knoble Bros., 1836 W. 25th  
St.

Cleveland, O.—The Smith & Feters Co.,  
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Denver, Col.—Park Floral Co., 1643  
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,  
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Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017  
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-  
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Younk & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.  
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 781 Fifth  
Ave.

New York—Thos. F. Galvin, Fifth Ave.,  
at 46th St.

New York—A. T. Bunyard, 413 Madison  
Ave., at 48th St.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415  
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25  
Clinton Ave., N.

Rochester, N. Y.—Salter Bros., 38 Main  
St., West.

St. Louis, Mo.—Fred C. Weber, 4526-28  
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-  
son Co.

Toronto, Can.—J. H. Dunlop, 8-10 West  
Adelaide St.

Washington, D. C.—Gude Bros., 1214 F  
St.

Washington, D. C.—F. H. Kramer, 915  
F St., N. W.

Westerly, R. I.—Reuter's.

Worcester, Mass.—H. F. A. Lange.

Worcester, Mass.—Randall's Flower Shop,  
3 Pleasant St.

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### Visitors' Register

Brownsville, Fla.—Mr. and Mrs. R. A. Kelley, Cincinnati.

Chicago—F. J. Davis and J. W. Davis, Davenport, Iowa; C. H. Frey, Lincoln, Neb.; Paul Berkowitz, repr. H. Bayersdorfer & Co., Philadelphia.

Philadelphia—John Young, New York; A. B. Barber, Cleveland, O.; C. B. Coe, repr. D. M. Ferry & Co., Detroit, Mich.; E. A. Seidewitz, Baltimore, Md.

Washington, D. C.—R. E. Glover, rep. Hubert Bulb Company, Portsmouth, Va.; A. Vandekamp, of H. DeGraffston, Lisle, Holland; C. Spaanderman, Koggenburg Co., Noordwyk, Holland; A. Y. Pannevis, Koster & Co., Boskoop, Holland; A. C. Warnaar, Jr., Warnaar Co., Sassenheim, Holland.

Pittsburgh—T. T. Fryer, rep. the Tajima Company, New York and Kobe Japan; E. J. Fancourt, S. S. Pennock-Meehan Co., Phila.; Joseph Hampton Phila. Pa.; Paul Berkowitz, H. Bayersdorfer & Co., Phila.; C. Colyn, Colyn & Sons, Voorhout, Holland; William E. J. Bollee, Ant. Roozen & Son, Overveen, Holland; Frank Rynsburger, Lisse, Holland; F. B. Wildschut, Westerbeck & Klyn, Sassenheim, Holland; W. Bergman, Sassenheim, Holland; A. Verduyn, Jr., Venne Nurseries, Lisse, Holland.

Woburn, Mass.—Fire at the cucumber forcing establishment of George Foster, on February 19, caused a loss of about \$3,500, chiefly to the young cucumbers, by freezing, the heating apparatus having been put out of commission.

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N. Y.

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Am. Beauty, Special	50.00	to 75.00	25.00	to 40.00	60.00	to 75.00
" " Fancy and Extra	40.00	to 50.00	20.00	to 30.00	50.00	to 55.00
" " No. 1	20.00	to 30.00	5.00	to 10.00	10.00	to 15.00
Russell, Hadley, Hasser Beauty	8.00	to 12.00	10.00	to 15.00	20.00	to 25.00
Killarney, Richmond, Hidington, Ward, Extra	6.00	to 12.00	5.00	to 10.00	8.00	to 10.00
" " Ordinary	3.00	to 6.00	5.00	to 6.00	4.00	to 6.00
Arenburg, Radiance, Taft, Key, Extra	1.00	to 12.00	8.00	to 10.00	19.00	to 15.00
" " Ordinary	3.00	to 6.00	5.00	to 6.00	8.00	to 10.00
Ophelia, Meek, Sunburst, Extra	1.00	to 12.00	8.00	to 10.00	10.00	to 12.00
" " Ordinary	4.00	to 8.00	5.00	to 6.00	6.00	to 8.00
Carnations, Fancy	2.00	to 3.00	2.00	to 3.00	3.00	to 4.00
" " Ordinary	1.50	to 2.00	1.00	to 1.50	1.00	to 2.00
Cattleyas	30.00	to 50.00	50.00	to 60.00	30.00	to 40.00
Dendrobium formosum	10.00	to 40.00	10.00	to 12.00	10.00	to 12.00
Lilies, Longiflorum	10.00	to 12.00	10.00	to 12.00	10.00	to 12.00
" " Rubrum	6.00	to 8.00	4.00	to 6.00	5.00	to 10.00
Callas	10.00	to 12.00	11.00	to 12.00	10.00	to 12.00
Lily of the Valley	1.00	to 4.00	3.00	to 4.00	4.00	to 5.00
Delices	1.50	to 3.00	1.00	to 3.00	2.00	to 3.00
Violets	1.35	to 1.60	1.20	to 1.35	1.50	to 1.75
Mignonette	2.00	to 6.00	3.00	to 4.00	4.00	to 6.00
Snapdragon	4.00	to 6.00	3.00	to 4.00	10.00	to 15.00
Narcissus, Paper-White	2.00	to 3.00	3.00	to 4.00	3.00	to 4.00
" " Golden Spur, etc.	1.50	to 2.00	3.00	to 4.00	2.00	to 4.00
Tulips	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Hyacinths	2.00	to 3.00	4.00	to 5.00	3.00	to 4.00
Freesia	2.00	to 3.00	4.00	to 5.00	5.00	to 6.00
Calendulas	2.00	to 4.00	3.00	to 4.00	4.00	to 5.00
Sweet Peas	.50	to 2.00	.50	to 2.00	.75	to 1.00
Gardenias	20.00	to 35.00	10.00	to 20.00	20.00	to 25.00
Lilac	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Adiantum	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Smilax	12.00	to 16.00	10.00	to 12.00	15.00	to 20.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	25.00	to 35.00	20.00	to 35.00	25.00	to 30.00

## WILLIAM F. KASTING Co. Wholesale Florists

383-387 ELLICOTT ST. - - - BUFFALO, N. Y.

## Chicago Flower Growers Ass'n.

Wholesale Growers of Cut Flowers and Plants

182 N. Wabash Avenue - - - Chicago, Ill.

## Flower Market Reports

The weather of the past **BOSTON** week has hurt business in general a great deal.

The market is very slow and but for a little clean-up on Washington's Birthday things would be in a slump. Everything but sweet peas and lilacs seem to be very much overstocked. Snapdragon is very much more plentiful than hitherto, and has taken quite a drop. Darwin tulips have made their appearance and sell fairly well. Last year was the first in which these beautiful flowers were seen in appreciable commercial quantity in this market. There can be no question of their rapidly growing popularity. There are many odds and ends of unusual flowers to be seen in the florists' show windows at this season and those growers who run these little tidbits as a side line are always sure of an appreciative clientele in Boston town.

Stock is plentiful enough **BUFFALO** and business in general has not been up to standard. Daffodils have been over-plentiful. Saturday's "bargain sales" were light even at the reduced price. The carnation situation has changed and these now are abundant enough, with prices on the decline. Roses are gradually coming in better, but no Beauties are seen. Lilies are fine. Shipping trade has been a trifle better.

Business is normal. A **CHICAGO** steady flow of trade uses up the flowers, of which there is now a large supply of nearly all kinds. After Valentine Day a natural easing up of rush orders followed and shipping, as well as local business, fell off. The week following brought in a great deal of stock, particularly carnations and prices are much lower, especially to the buyer on the spot. There is a large supply of split carnations, which solves the task of making up cheap funeral work, and a good grade of the same flower is carried away in quantity for two dollars per hundred. Bulbous stock sells well considering the quantity. There is an immense amount coming daily and little if any is lost. There is a good selection of roses, most winter varieties being in crop now. Gardenias, cattleyas and lily of the valley are not in excess of demand. Sweet peas are very scarce, the buds having fallen badly and growers are getting discouraged. Violets sell only moderately well. There is a good variety of green which each year becomes more of a necessity.

Spring days and sunshine, and the cuts are now heavier and are easily sufficient for all requirements. The cut of roses is now large and the chances are it will be much heavier within a fortnight. American Beauties are good and plentiful. Receipts in carnations are very large. Lilies and callas are all fairly plentiful, also good tulips, jonquils, daffodils and Dutch hyacinths. Lily of the valley receipts in excess of the demand. Narcissus, outdoor daffodils, violets, orchids and forget-me-nots are all in abundance.



## BEAUTIES

A NEW MODEL OF VERY LOW PRICES  
FOR THE GROWER AND THE WHOLESALE  
AND RETAIL DEALER. THE QUALITY WORK  
OF THE NEWLY GROWN BEAUTIES IS  
SUPERB.

	Doz.
Specials	\$9.00
Fancy	7.50
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First	4.00

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## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Feb. 21	CHICAGO Feb. 1	BUFFALO Feb. 21	PITTSBURG Feb. 21
<b>Roses</b>				
Am. Beauty, Special	40.00 to 50.00	35.00 to 40.00	6.00 to 7.50	6.00 to 7.50
" " Fancy and Extra	20.00 to 30.00	25.00 to 35.00	4.00 to 5.00	4.00 to 5.00
" " No. 1	10.00 to 15.00	10.00 to 12.00	5.00 to 6.00	5.00 to 6.00
Russell, Hadley, Hoosier Beauty	8.00 to 15.00	8.00 to 12.00	15.00 to 20.00	15.00 to 20.00
Killarney, Richm'd, Hildon, Ward	8.00 to 10.00	8.00 to 12.00	10.00 to 12.00	8.00 to 12.00
" " Ord.	5.00 to 6.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Arenburg, Radiance, Taft, Key, Ex.	5.00 to 10.00	8.00 to 12.00	12.00 to 15.00	8.00 to 12.00
" " Ord.	5.00 to 6.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Ophelia, Mock, Sunburst, Extra	8.00 to 10.00	5.00 to 12.00	12.00 to 15.00	8.00 to 12.00
" " Ord.	5.00 to 6.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
<b>Carnations, Fancy</b>	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	2.50 to 3.00
" " Ordinary	1.00 to 1.50	1.00 to 2.00	1.00 to 2.00	1.00 to 1.50
<b>Cattleyas</b>	40.00 to 50.00	5.00 to 10.00	40.00 to 50.00	25.00 to 30.00
<b>Dendrobium formosum</b>	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00	10.00 to 15.00
<b>Lilies, Longiflorum</b>	8.00 to 10.00	12.00 to 15.00	10.00 to 12.00	10.00 to 12.00
" " Rubrum	4.00 to 5.00	8.00 to 10.00	4.00 to 5.00	4.00 to 5.00
<b>Callas</b>	6.00 to 7.00	12.00 to 15.00	10.00 to 12.00	10.00 to 12.00
<b>Lily of the Valley</b>	5.00 to 6.00	3.00 to 5.00	4.00 to 5.00	5.00 to 6.00
<b>Daisies</b>	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50	2.00 to 3.00
<b>Violets</b>	.50 to .75	.40 to .75	.50 to .60	.50 to .75
<b>Mignonette</b>	4.00 to 5.00	4.00 to 5.00	3.00 to 4.00	4.00 to 5.00
<b>Snapdragon</b>	8.00 to 10.00	8.00 to 12.00	6.00 to 8.00	6.00 to 8.00
<b>Narcissus, Paper-White</b>	3.00 to 4.00	2.00 to 3.00	2.50 to 3.00	3.00 to 4.00
" " Golden Spur, etc.	4.00 to 5.00	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00
<b>Tulips</b>	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00
<b>Hyacinths</b>	4.00 to 5.00	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00
<b>Freesia</b>	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00
<b>Calendulas</b>	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
<b>Sweet Peas</b>	.75 to 1.50	1.50 to 2.50	1.00 to 2.00	.75 to 1.50
<b>Gardenias</b>	25.00 to 30.00	3.00 to 4.00	25.00 to 30.00	10.00 to 15.00
<b>Lilac per bunch</b>	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
<b>Adiantum</b>	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
<b>Smilax</b>	12.50 to 15.00	12.00 to 15.00	15.00 to 20.00	15.00 to 20.00
<b>Asparagus Plu. &amp; Spreng.</b>	25.00 to 30.00	5.00 to 10.00	40.00 to 50.00	40.00 to 50.00

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184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and  
CARNATIONS  
A Specialty

WHOLESALE  
GROWER of

CUT FLOWERS

NEW YORK

The soft pedal will do for the market story this week. Washington's Birthday, as usual, called for a certain amount of patriotic floral work but not much impression was made on the general situation which is one of moderate demand and increasing supply on most lines excepting cattleyas and gardenias. There is yet a fair period of time for floral activities before the entry of sober Lent but lengthening days and warmer sunshine will do their part in promoting flower production and reducing market values and we may reasonably expect to see heavier receipts and lower prices in the wholesale markets. The game henceforth should be to promote sales and increase the output at retail by all possible means including popular low prices, so that accumulations may

be forestalled and prevented as much as possible and the surplus disposed of through legitimate and respectable channels.

There has been **PHILADELPHIA** little change in market conditions here since last week. Trading has continued reasonably brisk, although a little handicapped by the zero weather, which interfered a good deal with the transient, and lots of shipments arrived frozen. American Beauty roses have improved greatly both in quantity and quality and the shortage of the past three weeks is apparently over for good. Russells also are much better and the whole rose situation is vastly improved. Carnations continue in their heyday and were never better either as to quality

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Ferns, Mosses, Wild Smilax, Galax,  
Leucothoe, Palmetto, Cyas, both fresh  
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Laurel, Hemlock, all Decorative Evergreens.

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Telephones 1664 (MADISON SQUARE)

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NEW YORK QUOTATIONS PER 100. To Dealers Only

**ROSES AND CARNATIONS**

	Last Half of Week ending Feb. 19 1916		First Half of Week beginning Feb. 21 1916	
American Beauty, Special	35.00	to 60.00	35.00	to 60.00
" " Fancy and Extra	15.00	to 25.00	15.00	to 25.00
" " No. 1	5.00	to 12.00	5.00	to 12.00
Russell, Hadley, Hoosier Beauty	12.00	to 40.00	12.00	to 40.00
Killarney, Richmond, Hillingdon, Ward, Extra	8.00	to 10.00	8.00	to 10.00
" " Ordinary	1.00	to 6.00	1.00	to 6.00
Arenburg, Radiance, Taft, Key, Extra	8.00	to 10.00	8.00	to 10.00
" " Ordinary	3.00	to 6.00	4.00	to 6.00
Ophelia, Mock, Sunburst, Extra	8.00	to 10.00	8.00	to 12.00
" " Ordinary	4.00	to 6.00	4.00	to 8.00
Carnations, Fancy	1.50	to 2.00	1.50	to 2.00
" " Ordinary	.75	to 1.00	.75	to 1.00

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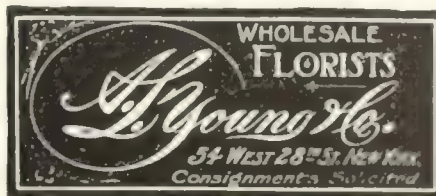
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Orchids, Gardenias and Many Unusual  
Flowers of Quality.

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WHOLESALE FLORISTS

55-57 West 26th Street

Telephones, 13-8510 Madison Square

MAURICE L. GLASS, Treasurer

Consignments Solicited

## Flower Market Reports

(Continued from page 285)

or quantity. Sweet peas are coming in very nicely and moving off well. Violets are rather draggy. There is enough lily of the valley to go around but the rather high prices ruling lately have shunted some of the demand on to other flowers. Pips are getting scarcer—so that there is little indication of this article being cheaper for some time to come. There are fewer lilies around but for all that the price remains more moderate than it was. Daffodils are a feature of the market. Plenty of them and of very fine quality. In greens the only ripple on the surface is a higher tendency in smilax strings.

Market conditions remain about the same as last week with practically no variations in the scales of quantity, quality or prices. There are plenty of flowers to supply the demand which continues sufficient to create an all-round spirit of optimism. While extravagant decorations for formal social affairs are now past, there seems to be a continuous round of semi-formal entertaining. However, it is funeral work which makes the biggest inroads on stock of practically all kinds. The brighter, clearer skies have served to make a favorable impress, especially on the long-suffering roses of all varieties.

The local wholesale **ST. LOUIS** market is in very good condition, everything in plenty, fine weather and transient trade excellent. Prices have gone down somewhat since Valentine's Day and the retailers are buying most liberally at present. Violets can be bought as cheap as \$2 per 1000 in big lots. Sweet peas hold up in price. In the bulb line demand is most excellent at all times at fair prices.

There were quite a large number of novelty flowers on the market for the Washington's Birthday business and these met with a better sale than usual. Included in the list were cornflowers, which cleaned up very well; nasturtiums, white and yellow daisies, white violets, and forget-me-nots which went into the making of red, white and blue combinations. The demand for cattleyas was very satisfactory and the price held firm with about enough to go around. The price on red carnations for the holiday was about \$6. Sweet peas were in heavy supply and moved well. Red roses were very popular for the holiday work and these cleaned up quickly. More American Beauty roses are to be had now, but not of the best quality. Violets were not in very good demand. Narcissus is scarce. Potted lilacs now to be had are as good as have ever been seen in Washington. There has been a considerable scarcity of greens. It seems that the local producers are temporarily out of maidenhair, string smilax and Asparagus plumosa. Forsythia has been in quite a good demand.

Ben George, Jr., Cincinnati, continues to improve in his recovery from his recent attack of pneumonia.

## PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

TELEPHONE MAIN 2698

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M.

## NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Feb. 19 1916		First Half of Week beginning Feb. 21 1916	
Cattleyas	20.00	to 50.00	30.00	to 50.00
Dendrobium formosum	35.00	to 50.00	35.00	to 50.00
Lilies, Longiflorum	8.00	to 10.00	8.00	to 10.00
"    Rubrum	6.00	to 8.00	6.00	to 8.00
Cellas	12.00	to 15.00	12.00	to 16.00
Lily of the Valley	2.00	to 4.00	3.00	to 4.00
Daisies	2.00	to 3.00	2.00	to 3.00
Violets	.15	to .35	.15	to .35
Mignonette	2.00	to 6.00	2.00	to 6.00
Snopdragon	3.00	to 12.00	3.00	to 12.00
Narcissus, Paper-White	2.00	to 3.00	1.50	to 2.00
"    Golden Spur, etc.	2.00	to 3.00	2.00	to 3.00
Tulips	2.00	to 3.00	2.00	to 3.00
Hyacinths	1.00	to 2.00	1.00	to 2.00
Freesia	2.00	to 3.00	2.00	to 3.00
Calendulas	2.00	to 4.00	2.00	to 4.00
Sweet Peas	.50	to 1.50	.50	to 1.50
Gardenias	15.00	to 35.00	15.00	to 35.00
Lilac (per bunch)	.....	to 1.50	.....	to 1.50
Adiantum	.50	to 1.00	.50	to 1.00
Smilax	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, & Spreng (100 bunches)	15.00	to 25.00	20.00	to 35.00

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I have an unlimited market for your flowers, any variety, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty-eight years in the Cut Flower Commission Business.

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Ferns from 2 in. pots, immediate delivery: Boston, 3c.; Roosevelt, 4c.; Teddy, Jr., 5c.; 4 in. Boston, 12c.; 4 in. Teddy, Jr., 15c., extra heavy. Cash please. B. C. BLAKE. R. D. 4, Springfield, Ohio.

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The All-in-One Fertilizer.  
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Aphine Mfg. Co., Madison, N. J.  
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B. G. Pratt Co., New York City.

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R. Vincent, Jr., & Sons Co.  
White Marsh, Md.  
For page see List of Advertisers.

Geraniums—2,000 S. A. Nutt, rooted cuttings, \$10.00 per 1,000; 1,000 S. A. Nutt, 2 1/4 in. pots, \$18.00 per 1,000; 100 Jean Vland, 200 Perkins, 3 in., 6c. FRANK LEITH & SON, Haverhill, Mass.

**GLADIOLI**

Chas Millang, New York City.  
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John Lewis Childs, Flowerfield, L. I., N. Y.  
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A. Henderson & Co., Chicago, Ill.  
Foreign Gladioli.  
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Selected America bulbs for forcing, \$8.00; No. 2 for field planting, \$5.00 per 1000. Write for price on Glory, Taconic, Pendleton, etc. BROOKLAND GARDENS, Woburn, Mass.

**GLASS**

Sharp, Partridge & Co., Chicago.  
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Greenhouse glass, lowest prices JOHN STON GLASS CO., Hartford City, Ind.

**GLAZING POINTS**

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Peerless Glazing Point  
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**GREENHOUSE BUILDING MATERIAL**

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**Pecky Cypress.**

Lord & Burnham Co., New York City.  
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S. Jacobs & Sons, Brooklyn, N. Y.

**GREENHOUSE SHADING**

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**GUTTERS**

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**HAIL INSURANCE**

Florists' Hail Asso. of America.  
J. G. Esler, Saddle River, N. J.  
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**HARDY FERNS AND GREEN GOODS**

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**HARDY PERENNIALS**

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Palisades Nurseries, Sparkill, N. Y.  
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Old Town Nurseries, South Natick, Mass.  
Evergreens and Hardy Perennials.

**HEATING APPARATUS**

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Lord & Burnham Co., New York City.  
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**HOT BED SASH.**

Parshelsky Bros., Inc., Brooklyn, N. Y.  
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Standard hotbed sash, 1 1/2 in. thick, with crossbar, 80c. each; lots of 25 and over, 75c. each. Blind tenons; white leaded in joints. The life of a sash depends on this construction. We GUARANTEE our sash to be satisfactory or refund your money. Glass, 6 x 8, 8 x 10, 10 x 12, or 10 x 14, \$1.50 per box of 50 sq. ft. C. N. ROBINSON & BRO., Dept. 29, Baltimore, Md.

Foley Greenhouse Construction Co., Chicago, Ill.

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**HOME**

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**HYACINTHS**

HYACINTHS, 3-colors, 4 in. pots, \$7.00 per 100. PRIMROSES in bloom, 4, 5 and 6 in. pots, 10c., 15c., 20c. PRIMROSE MALACOIDES, 4 in., in bloom, 15c. VINCAS, 3 in., 4c. FUCHSIAS, 2 in., 2c. REGONIA CHATELAINE, 5 in., in bloom, 25c. CYCLAMEN in bloom, 25c., 35c., 50c., 75c. ASPARAGUS PLUMOSUS, 4 in., 7c. AZALEAS for late forcing, 75c. GLADIOLUS bulbs, \$10.00 per 1000. ROSENDAHL GREENHOUSES, Schenectady, N. Y.

**INSECTICIDES**

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Hammond's Slug Shot—Grape Dust.  
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Aphine.

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Nicotine Mfg. Co., St. Louis, Mo.  
Aphis Punk and Nikoteen.

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**IVIES**

English Ivy, Rooted Cuttings, 75c. per 100, prepaid. CHAS. FROST, Kenilworth, N. J.

**LILY BULBS**

Chas. Schwake & Co., New York City.  
Horticultural Importers and Exporters.  
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Japanese Lily Bulbs of Superior Quality  
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McHutchison & Co., New York City.  
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Lager & Hurrell Summit N. J.  
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**In writing to Advertisers kindly mention Horticulture**

**PANTRY PLANTS**

Plants for the Pantry. 12 Kind, \$3.00 per 100. Catalogue free. Send only 10c for the new color illustration of trade-marks. The only one of its kind. JAMES MONS, Jamaica, N. Y.

**PAPER LOTS**

The Cl... Price... free. E.

**PHOENIX CANARIENSIS**

In a... on demand. JULIUS BODLEY, 101 Waterford, N. J.

**PHONIES**

Produce. The world's greatest collection. 1200 sorts. Seed for list. C. BETSCHER, Canal Dover, N. J.

**PECKY CYPRESS BENCHES**

A. F. STUBBS, Inc., Boston, Mass.

**PELARGONIUMS**

Roman J. Irwin, New York City. For page see List of Advertisers.

**PETUNIAS**

Produce. I will send strain of double... carrying immense... stock, well... \$1.25 per 100, prepaid, \$1.00 per 1000, 2 in strong, \$2.50 per 100, \$2.00 per 1000. HOPKINS & HOPKINS, Cambridge, R. I.

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**PLANT TRELLISES AND STAKES**

Seele's Telema Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

**PLANT TUBS**

H. A. Dreer, Philadelphia, Pa. "Riverton Special."

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Waban Rose Conservatories, Natick, Mass. New Rose Mrs. B. H. T. Thayer.

THE CONARD & JONES COMPANY, Rose Spanglers, West Grove, Pa. Send for offers.

**SCALECIDE**

B. G. Pratt Co., New York City.

**SEASONABLE PLANT STOCK**

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**SPHAGNUM MOSS**

Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGER & HURRELL, Summit, N. J.

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B. G. Pratt Co., New York City.

**STANDARD THERMOMETERS**

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**STRAWBERRY PLANTS**

Strawberry Plants, Several Varieties, at \$2.50 per 1000. Catalogue free. BASIL PERRY, Georgetown, Indiana.

**SWEET PEA SEED**

Ant. C. Zvolanek, Lompoc, Calif. Gold Medal of Honor Winter Orchid Sweet Peas. For page see List of Advertisers.

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... 214 in. 2. ... West Grove, Pa.

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## PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 23, 1916.—SEALED PROPOSALS will be received in this office until 10 a. m., March 24, 1916, and then opened, for planting trees, shrubs, etc., on the grounds of the Federal Buildings at Danville, Lexington, Suffolk, Winchester, and Wytheville, Va.; Bluefield, Charleston, Fairmont, Grafton, Point Pleasant, and Sistersville, W. Va.; Concord, Greenville, Henderson, Hendersonville, Hickory, Highpoint, Lexington, Oxford, Raleigh, Reidsville, Tarboro, and Winston-Salem, N. C.; Bardstown, Bowling Green, Catlettsburg, Cynthia, Hopkinsville, Lexington, London, Middlesboro, Mt. Sterling, Owensboro, Somerset, Versailles, and Winchester, Ky.; and Bristol, Cleveland, Dyersburg, Fayetteville, Harriman, Lebanon, Morristown, Pulaski, Union City, and Winchester, Tenn., in accordance with the specifications, copies of which as well as copies of approach plans of the several buildings may be had upon application to the respective Custodians of the buildings, or at this office. JAMES A. WETMORE, Acting Supervising Architect.

Make application only for the specification and drawing for the buildings for which you intend to submit proposals.

## THE NUT-GROWER

The unique monthly publication which furnishes reliable and interesting up-to-date information regarding the value of pecans and other edible nuts and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

## THE NUT-GROWER

No. 2 Francis St.

WAYCROSS, GA.

## WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as two words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 147 Summer St., Boston.

### HELP WANTED

## WANTED

### ROSE GROWER

to take charge of a rose house. Steady employment and good wages to competent man. Address

## BEECHWOOD HEIGHTS NURSERIES

BOUND BROOK, N. J.

### GREENHOUSE FOREMAN

Wanted by March 1st, a thoroughly competent man as above, experienced in the work on a private place; intelligent worker, able to take charge and produce first-class results; neat, practical and of good habits. Send references, stating nationality, to ALFRED J. LOVELESS, Wyndhurst Gardens, Lenox, Mass.

WANTED—Experienced foreman for general landscape work, with knowledge of hardy trees, shrubbery and herbaceous material, road building, grading, etc. Good salary for right party. Address "R," care HORTICULTURE.

### SITUATIONS WANTED

SITUATION WANTED by Head Working Gardener; English; on private estate; life's experience in all branches of Horticulture; good references; married, no family. F., care HORTICULTURE.

SITUATION WANTED—By grower and designer, 16 years' experience; good references as to character and ability. State particulars in first letter. C. S., care HORTICULTURE.

POSITION WANTED by grower and designer, 16 years' experience; married; can furnish best of references. State particulars in first letter. Address "C. S.," care HORTICULTURE.

ORCHID GROWER—Commercial or private, A-1 grower; excellent references to show same. Would take charge of place where mixed stuff is grown. Life's experience, age 31, married. W., care of HORTICULTURE.

GARDENER, FARMER, SUPERINTENDENT for private estate, life practical experience, laying out new places, vegetables, fruit, flowers, farm crops, and live stock; first class credentials, Scotch, married, age 45. Address A. I. MARSHALL, 216 Cleveland St., Portchester, N. Y.

### FOR SALE

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 18 x 24, double thick. A and B quilts. Market dropped. Now is the time to buy and save money. PARSHESKY BROS., INC., 215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE—Modern 6 room house, 1000 sq. ft., on 1/2 acre, in excellent location. Address E. A. CHURCHILL, 41 Royal St., Lowell, Mass.

**In writing to Advertisers kindly mention Horticulture**

# NEW ROSES

Address of E. G. Hill, Richmond, Ind., Before the Chicago Florists' Club,  
February 10, 1916

[illegible]

### Some Experiences With Sunburst, Russell and Mock.

good and bad, of those introduced since the advent of this famous yellow rose is, I take it, what you have in mind. Quite a number of varieties believed to have forcing possibilities have appeared during this time; some have made good, others are succeeding in some places, while failing in other localities. A case in point is the celebrated Mrs. Chas. Russell. This rose has made good, if we may credit all that it is said about it by the Chicago growers; in fact, growers distant from Chicago are succeeding admirably with it, while on the other hand, failure has attended the growing of this rose by some very up-to-date and experienced growers, and with a goodly number has disappointment followed their best efforts. A recent visit south was instructive and of great interest as pertains to Mrs. Chas. Russell; it was, in the great majority of the places in the south, doing remarkably well, and thriving amazingly in a few places. It occurred to your speaker that the rose likes abundant sunshine and considerable heat to do its best, but your club members are better able to discuss this point than myself. This rose has great merit and is well liked by those who appreciate a long stemmed variety that possesses good keeping qualities. Those two qualities certainly give it standing with critical rose buyers. The Waban Rose Conservatories are sending out two sports from Mrs. Russell, which most of you have had opportunity to inspect and criticize. These two varieties, Mrs. Bayard Thayer and Dark Pink Russell, should certainly commend themselves to all who do Russell well. The last named, maintaining as it does, its fine rich color, should make it a dangerous rival of its parent. Mrs. Thayer certainly will be in demand, and I predict a goodly number will be grown in the near future.

The near future. Jonkherr J. L. Mock is a variety with an uncertain future—it certainly is a most magnificent rose in the spring time, when there is sufficient sun heat to open its buds. I thought the vase of this rose staged at the New York show in 1914 by Robert Simpson was the handsomest vase of roses ever staged. As a spring and summer rose it should find a place, but it gives too many deformed buds in dark weather to be profitable.

### Richmond's Rivals.

There have been many entries in the

mond, but they are having a hard time of it. Milady, as grown by a very few, would seem desirable, but it has its faults, and with your speaker it has not behaved satisfactorily. W. J. Keimel and Adolph Beckmann seem to be able to get results. I think Mr. Keimel was undecided some time ago whether or not to go on with the variety, but this gentleman finally said: "I will continue to grow it until I find a better red."

all who want an improved Killarney. Lady Alice Stanley is a beautiful decorated pilot, and is concerned to see the best. There is a high class society and we should take a good price in the retail shops. It has fine crops and is free from any tendency to weakness of growth. We shall grow it in great quantities for coming year.

Killarney Queen has had a meteoric existence and is grown in limited quantities only; setting two or three plants together is urged, a few claiming when so planted that it gives a profitable cut.

There have been other sports of Killarney, viz.: Dark Red and the Double Killarney, but these two sorts have been dropped almost entirely.

Double White Killarney has a place and is considered by a great many growers to be a decided acquisition in a white forcing rose. It is certainly superior in summer to the old white Killarney in its keeping qualities.

Euler and Tipperary.

Madame P. Euler is finding favor with a great many growers on the Pacific slope, and under the bright sunshine and climatic conditions of California it will make a large place for itself. Our firm was the first to test and try out this rose after its introduction; we found a small percentage perfected themselves, but the major portion were bull-headed, as the growers use the term. If it succeeds in the eastern part of the United States, I shall be pleased to know it, for it is a beautiful rose when nicely developed.

Lady Hillingdon has gone by the board, so to speak; a few are still growing it, but its tendency to fly open and its lack of petals, have been the determining factors in its non-use.

If a fine corsage and bowl rose is desired I can commend Tipperary as filling the bill. This rose is free in its production of bloom, and is greatly esteemed by our two stores, many preferring it to Mrs. Aaron Ward.

Ophelia—the Ideal Forcing Rose.

Ophelia.—Certainly this magnificent variety deserves all the praise bestowed upon it; a seedling of Antoine Revoire x Taft, having all the good qualities of its parent, without any of its faults. Surely this rose comes nearer being the ideal cut flower forcing rose, measuring up to Killarney in its productiveness, but without its tendency to mildew. As one noted rose grower puts it: "The finest and most useful of all roses." One noted grower said: "What we want is a pink, a red and a white Ophelia, then surely the rose millennium will have come." At Richmond, we have selected out of 2,200 seedlings flowered this present season, some 20 or more to test further. In a cross between Ophelia and Mrs. Geo. Sawyer we seem to have found the good growing qualities of Ophelia with the fine shape and coloring of Sawyer. I might tell you of other seedlings, but if nothing unforeseen happens, we hope to be able to exhibit the coming fall some of the results of patient, careful cross breeding.

Mrs. Geo. Sawyer, with many, is considered the finest of all pink roses.

Prince E. C. de Arenberg is unsatisfactory in many ways; it opens wide unnecessarily on exposure to the heat of a room; it is a fine, strong grower, but the size of the bud does not measure up with its fine foliage and heavy stem.

A few more petals, and a little more scarlet in its color scheme, would have put Crimson Queen in the front rank as a forcing variety.

Francis Scott Key is liked by a few, but I predict its speedy eclipse as a forcing rose.

Hadley is a rose that has had extensive trial and is a grand variety when well done. It certainly is fine when grown as it is done in its home town—nothing could be more desirable in a red rose if it were productive enough; its great fault is the unusual amount of blind wood produced, especially in winter. I fear this rose will not hold place for the reason just mentioned.

Hoosier Beauty, as grown for two years at Richmond, Ind., has fully sustained the claims made by the Dorners: in fact, visitors who have noted its behavior throughout the winter with us, have only words of praise for the variety. We have had most gratifying results from the 10,000 plants grown by our firm the present season. It has its faults like every other variety, but its virtues offset any tendency to weakness of stem in the short growths of the variety. Unlike Hadley, it does not produce any blind wood. It is fine in color and is a wonderful keeper and shipper. I understand failure has attended the growing of this rose by some of your large growers hereabouts, but further experience I think will put the variety in the front row of forcing reds. Too heavy feed and too much heat are the two things that have caused disappointment. It is a wonderful hot weather rose.

**The Killarneys.**

One of the roses most criticized has been Killarney Brilliant. This rose for some reason or other, did not move off in growth the first season after dissemination; up to December we thought the variety totally lacking in vigor, but after that time and up to the present, its growth and flowering qualities are all that could be desired—certainly its fine color commends it to all, for it does not have the faults of its parent as regards color. I cheerfully commend Killarney Brilliant to

and is deservedly popular with all who love a fine bud and a beautiful rose, but it has a tendency to mildew without provocation under seemingly good culture. It is a rose requiring careful handling of the ventilators.

#### Some Newcomers.

Chas. H. Totty offers Gorgeous and Cleveland, two of the Hugh Dickson productions. These are being put out with the endorsement of Mr. Totty, which certainly is warrant for their introduction.

A. N. Pierson is sending out a Red Radiance; also a deeper colored sport from My Maryland. These should be valuable additions for summer cut blooms.

Tip-top is a charmingly colored little gem of a rose in the way of a Polyantha. Nothing imaginable can be more beautiful than the color scheme of this little rose—a corsage made of this little beauty captivates the most fastidious. This variety has only one defect; it lacks stiffness of stem, but as all corsage roses are wired this does not militate against its usefulness.

The Hugh Dickson rose, winner of the \$1,000 prize at the Panama-Pacific Exposition, is a rich, pure yellow, with extremely long petals and a shapely bud. If it has sufficient petalage, it has all the ear-marks of a great rose for forcing. It certainly made a deep impression upon my mind.

You all know about Champ Weiland and you who are here can speak, for I have not seen it.

#### Changing Conditions.

It is interesting to note the changing conditions in business; in fact, in all lines of trade, and our particular line is no exception to the rule. The rose will always have first place in our calling, and it is well that we, as growers of roses, are catching on to the fact that novelty is one of the potent factors in roses as well as in ribbons, silks and the trimming for the ladies' hats. When in Lyons, France, in 1913, I had opportunity, through the courtesy of a friend, to get an insight into the silk business. I found that hundreds of persons were employed in the designing and pattern rooms of the great establishments. Effort was made to get new designs and new combinations in color schemes—novelty was the one thing aimed at. If change, novelty and patterns were so important in silk goods, why are they not equally important in the rose? Men should attempt to give originality to our business by catering to this unquenchable thirst for something new and distinct. We have in the past been supinely indifferent to this phase of our business, but a new era has dawned, and this means good and not ill, for our business. Rose growers are at work in more earnest effort than ever to meet this new feature of our trade.

We are certainly indebted to Alex. Montgomery, John Cook, the Dicksons, but especially to Pernet Ducher, for what they have done in the way of giving us new varieties of roses. We hear of efforts being made along this line in various parts of our country, and this augurs well for the future of the rose and rose growers.

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San Francisco, Calif.

October 16, 1915.

Mr. Benjamin Hammond, Beacon, N. Y.

Dear Sir: The Horticulture Jury, of which the writer was a member, awarded you a Gold Medal for your Insecticides, and when you take into consideration the fact that that Jury, outside of the writer, was composed of some of the famous experts of the world, you will realize the importance of this award. Verification of this may be obtained from Mr. George A. Dennison, Chief of Horticulture, Panama-Pacific International Exposition.

The writer has been requested to furnish a list of the articles which the Jury endorsed by their action in awarding prizes because of merit. This request comes from representatives of foreign countries and states.

Respectfully yours,

Signed: J. A. BUCHANAN, Gen. Mgr.  
Pan-Pacific Press Association.

PANAMA PACIFIC INTERNATIONAL EXPOSITION  
San Francisco, Calif.

Division of Exhibits Office of the Chief  
DEPARTMENT OF HORTICULTURE

November 3, 1915.

Mr. Benjamin Hammond, Beacon, N. Y.

Dear Sir: Replying to your letter of October 28th, I wish to say that the Jury awarded Slug Shot, Grape Dust and Copper Solution a Gold Medal.

Yours very truly,

Signed: G. A. DENNISON,  
Chief of Horticulture.

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#### MASSACHUSETTS AGRICULTURAL COLLEGE NOTES

The annual fruit show was held February 14 to 16. An exhibit of commercial varieties of apples was especially interesting.

Florists here find a good demand for cut flowers due to the "Prom" season at Massachusetts Agricultural and Mt. Holyoke Colleges. Violets, especially, are in good demand.

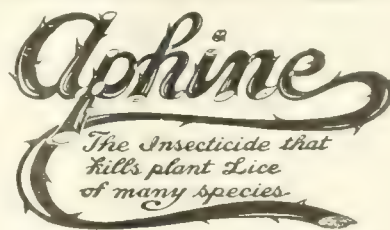
F. A. C. Smith, graduate of Cornell and Harvard, has been obtained to take the position in the Extension Service recently vacated by P. H. Ellwood. Mr. Smith comes here from two years' work as instructor in landscape architecture at the University of Illinois.

"Farmers' Week" will open on March 13. The Floricultural Department announces an educational exhibit and display of flowering plants. The Department of Floriculture announces the following:

Tuesday afternoon, March 14—1:30: Selection and Care of House Plants, F. E. Palmer, Brookline; 2:30: Fashions in Plants, Prof. F. A. Waugh, M. A. C.; 3:30: Plant Propagation, H. E. Downer, Northampton.

Wednesday, March 15—9:10: The Culture of Herbaceous Perennials, Maurice Fuld, New York; 10:10: Minor Crops of the Florist, G. H. Sinclair, Holyoke; 11:10: Diseases of Floricultural Plants, Dr. P. J. Anderson, M. A.

C.; 1:30: Roses at Home and Abroad, Robert Pyle, West Grove, Pa.; 3:30: Question Box, Prof. A. H. Nehrling, M. A. C.



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Co., rebuilding.North Selma, Ala.—J. R. Brooks,  
range of houses.Porterville, Cal.—Lucien E. Roh-  
lck, house 24 x 42.Richmond, Ind.—Joseph H. Hill,  
rose house 46 x 400.Hadley, Mass.—Montgomery Co.,  
Montgomery house 60 x 40.Bettendorf, Ia.—J. W. Davis Co.,  
vegetable house 76 x 600.Binghamton, N. Y.—Susquehanna  
Valley Greenhouse Co., Brown street,  
one house.

A BOOK THAT ALL WILL WANT.

The American Rose Annual is now on the press of J. Horace McFarland and the book will be ready for distribution soon after March 1st. As soon as it has been received we shall give it an adequate notice but inasmuch as the Annual represents a very distinct advance in the handling of the literature of rose culture in America, and is hoped to be the first of a series of Annuals which will promote rose growing in America at least as efficiently as it has been done in England for England, we take pleasure in calling attention to the publication before its appearance. The book is published by the American Rose Society and edited by J. Horace McFarland, for the society. Dr. L. H. Bailey wrote the dedication and there is an appropriate preface and an article on the literature of the rose by the editor. Among the other contributors to its pages are President S. S. Pennock of the American Rose Society, Charles Downing Lay, George C. Thomas, Jr., Prof. E. A. White, Dr. W. Van Fleet, E. H. Wilson, Jesse A. Currey, Robert Pyle, Prof. H. H. Whitzel, Prof. C. R. Crosby, Prof. M. B. Leonard, G. A. Parker, Dr. A. C. Beal, F. L. Mulford, Theodore Wirth, E. W. Reid, Rev. A. H. Scott, W. C. Egan, Prof. R. T. Stevens, H. Harold Hume, E. N. Reasoner, Rev. E. M. Mills, R. G. Gamwell, W. R. Pierson, C. H. Totty, John Welch Young, W. F. Gude, and others. There are ten plates, including two colored plates, one of which is of M. H. Walsh's rose Excelsa, which is used as a frontispiece.

Each member of the American Rose Society will receive a copy of the Annual in due course. The edition, which is considerable in size, covers only actual needs, and no doubt the book will be out of print within three

months. Associate members (those who pay only one dollar for a year's membership, the American Rose Annual and admission to all the Rose Shows held under the auspices of the society, for one dollar.

The articles by Dr. Van Fleet and E. H. Wilson are of unusual value, and it will be found, we think, that the Annual presents also, for the first time, the complete story with respect to rose insects and the lamentable lack of scientific attention so far to the control of rose diseases.

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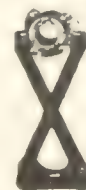
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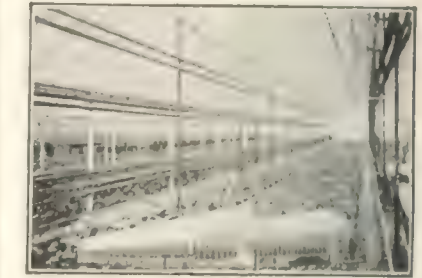
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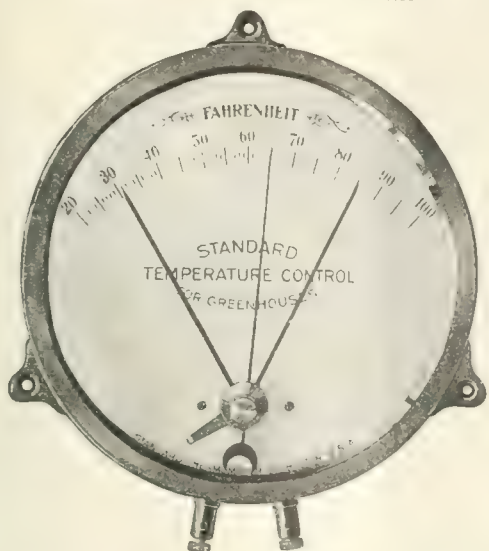
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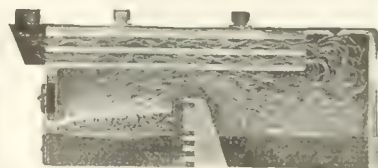
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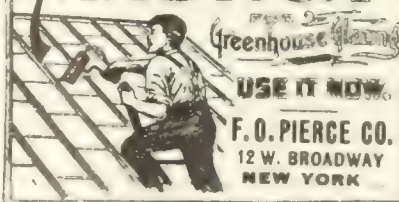
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Vol. XXIII  
No. 10  
MAR. 4  
1916

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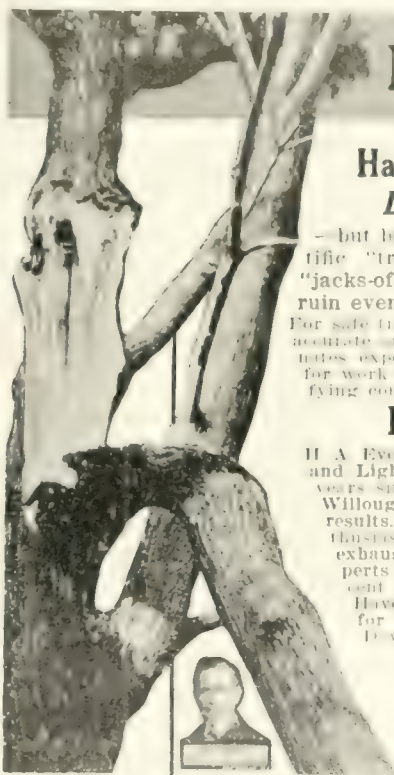
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SEE PAGES 320, 321, 322, 323**

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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—Pope.

## Care of Chrysanthemums

Get in whatever cuttings are needed at once and just as soon as they have roots half an inch long get them into the soil so that the future plant will not be handicapped at the start by being weakened in the cutting bench. Do not leave them in the sand a week after they should have been potted. In potting young stock from the cutting bench use no bone or artificial fertilizer whatever in the soil as it will only sour it. Fresh loam with a third of rotted leaf mold will be an ideal compost for the first potting. If leaf mold cannot be procured some decayed cow manure is perhaps the next best thing. Give ventilation just as soon as they are rooted, in abundance whenever possible.

## Geraniums

Any spare moments and available bench space can now be used in getting geraniums potted. From now until May they will do a great deal of growing and plants of most varieties seemingly small and puny, may yet be grown into acceptable size and vigor. Cuttings in need of potting should be attended to before they become potbound. Thoroughly decomposed manure, or that from a spent potbed, may form one-third of the compost used. Add a 4-inch potful of fine bone to three bushels of compost. When first potted they can stand pot to pot, but they will soon need some spacing. The plants cannot have too light a house. Give plenty of ventilation. While geraniums like to dry out once in a while they should never become in an over dry state.

## Shading Orchids

Where orchids can be fitted with cloth or lath shades, and these can be removed during cloudy and dark weather the plants have a wonderful advantage over those grown under glass which has to be shaded with kerosene and lead or even lime wash. Cypripediums need a little shade and phalaenopsis should never be exposed to bright sunshine. Give *Miltonia vexillaria* and *odontoglossums* the full sun until March 10 when a little shade may be necessary. *Cattleyas* and *laelias* are better with full sunlight for some time yet. Never mind if they turn a little pale in color, they will grow and flower better than such as are kept in the shade all the time. Where any orchids are showing the worst of the sun's rays add a little shade from time to time.

Next Week: Achiemenes; Bedding Plants; Gardenias; Phalaenopsis; Sowing Fern Spores; Propagating *Stevia*.

## FRENCH HYDRANGEAS.

Our cover illustration this week shows a well-grown specimen plant of one of the new French hydrangeas as grown by F. H. Dressel, Weehawken, N. J., for the Christmas trade. Mr. Dressel says he plants them outside in May. Some of these he potted in August, cut away half of the leaves and put them in the greenhouse in a

70-degree temperature in October and they came in just right for the holidays. The remainder of the plants were taken out of the ground and potted in October and under similar conditions these, too, were in full bloom at Christmas.

## ACTINIDIA ARGUTA.

Our illustration of the use of this

## Subtropical Bedding Stock

Nothing perhaps is of more value for the center of a group than one or more specimens of *Musa*, of which there are quite a number of splendid sorts. *M. ensete* is one of the best. *M. superba* is as beautiful but more compact and so is *M. zebrina*. The *eulalias* such as *E. japonica foliis striatis* and *E. japonica zebrina*, all fine ornamental grasses, are useful and so are the *caladiums* and also *crotons*, *palms*, *bamboos*, etc., can be used. Most of these subtropical plants like plenty of heat so in order to keep them at top speed in growth give them not less than 60 degrees at night. The out of town florist usually has customers who have extensive grounds and lawns where such plantings can be made use of to the best advantage. Keep in a temperature of from 65 to 70 degrees at night and on a bench where they can have a vigorous bottom heat, all those that are backward in growth.

## Young Carnations

Just as soon as cuttings have made about half an inch of roots they should be potted. After they are well rooted, remaining in the sand is liable to weaken them because there is little nourishment in the sand. When taking out the cuttings give them a slight shake to dislodge the sand from the roots and don't take out more than you can pot in an hour or two. Press the soil firmly and do not fill the pots too full, but be sure there is a little loose soil on top to prevent baking. Use fresh soil that has been exposed to the weather and to lighten it add a little sand and old rotten manure from the hotbed if you have it. Screen it through  $\frac{1}{2}$ -inch mesh and see that it is about right in moisture. Place the potted plants in a temperature of about 55 degrees and when well established they can be kept cooler; 45 to 50 degrees will do at night. Keep shaded until rooted, then they should have full sunlight.

## Outside Frames

With careful ventilation, protection and watering, there is no better place at this time of the year than the frames for all carnations, chrysanthemums, pansies, daisies and other cool blooded stock. When spring comes we all find ourselves very much crowded so the frames become an important factor.

hardy climbing vine as a hedge plant in last week's issue of the HORTICULTURE has apparently created much interest and we are reminded of the unintentional omission of the very essential information that the hedge portrayed in the picture is on the grounds of the Mt. Desert Nurseries at Bar Harbor, Me., which places the hardiness of the plant beyond question.

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### The catalogue postage bill

The bill to modify the postage on catalogues, printed price lists, etc., which we publish in full in our seed trade notes, is one in which the seedsmen are vitally concerned. It is identical we believe,

with the proposed bill submitted by Mr. Therkildson at the meeting of the seed trade in San Francisco last summer and which was endorsed by them. It may be found necessary to have some adjustments and amendments to the bill before it is passed, but as a whole it will no doubt meet the approval of the catalogue men. It would be well to provide, if possible, that its enactment would not interfere with the use of the parcel post for catalogue mail by those who prefer that method for all or part of their issue.

### Our opportunity

The year 1916 promises to take its place as a period of unprecedented activity in flower show exploitation. The time is quite fitting for lively agitation in this country of horticultural subjects and matters pertaining to the plant and flower world. For the people being forced by existing circumstances to find within the boundaries of their own land much of the wherewithal for individual and social relaxation and recreation. The flower show, as a means to this end, can wield a mighty and far-reaching influence if well conducted and if we are cognizant of the fact that the exhibitions of 1916 will make an unparalleled record in that respect. Rural progress and the development of agricultural industries are receiving more attention today than ever before in this country and horticulture will come in for its share of consideration if those who carry its banner will do their full duty. The greatly improved outlook for the flower show in its popular and financial aspects is due not a little to the present tendency to break away from old traditions and narrow policies, all of which means progress and expansion on modern lines and in no other way can public interest be won and retained.

### The American carnation abroad

Under the caption, "Have the American carnation raisers reached their limit?" Montagu C. Allwood, a well-known English carnation expert, discusses in the Horticultural Trade Journal for February 2, 1916, a very bold question in a very outspoken way. Reading "between the lines" one cannot but draw the inference that some of our friends among the British carnation raisers are disposed to be rather envious of the development of our modern carnation in this country and its popularity in England. Perhaps this is not to be wondered at, but we confess to some surprise at the conclusions Mr. Allwood has reached in comparing the older with the more recent American introductions, and the latter with those of British origin. He plainly affirms that the recent American productions are not up to the standard of those of five or ten years ago from a commercial standpoint. He concludes that we have reached our limit and maintains that the British raisers are making a far greater headway in producing commercial varieties. In his judgment *Enchantress* and *May Day*, for example, are far superior to *Alice*. Gorgeous, he pronounces the "greatest of all recent American falacies;" *Pink Sensation* cannot compare with old *Winsor*; no modern white will touch *White Enchantress* or *White Wonder*; nothing has really beaten Mrs. T. W. Lawson and he cannot find a good pink variety among all the recent American varieties, while he emphatically asserts that as a dark pink carnation *Mary Allwood* can leave the American varieties "high and dry." Just why the latest American introductions have made so poor a record across the water is something beyond us but Mr. Allwood's arraignment would impress us more convincingly were it not for the note of envy which seems to underlie his ill-concealed gratification over the alleged rout of the American carnation as a factor in the English field. He remarks in passing that the British Carnation Society is more alive than the American Society. We shouldn't be surprised if that might be true and if Mr. Allwood's *critique* should provoke a little new spirit and energy in that time-honored body, now celebrating its silver jubilee, he may inadvertently have done us a good turn.

# ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur Ruzicka*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

## Tying Beauties

With the rush of potting and repotting, and other work that always crowds in toward spring, the houses are likely to be a bit neglected. This may not be very harmful to Teas, but Beauties will have to have proper attention if they are to pay their way. In most cases if they are not neglected they will make a neat sum of money for the grower from now until the time that they are taken out. The most important of all is tying. If this is not attended to the plants will lie all over and many of the shoots will go blind, and it will not be possible to syringe properly. They are almost sure to get a dose of spider, and spot usually comes with it, making it doubly hard to bring them back again. It will no doubt be necessary to bend a good many of the longer shoots down, and in doing this bend them to the west, making sure that they are tied gently yet firmly to the bottom wire. Also see that they are kept on the same side of the wire all the way up and down for if they are on one side at the bottom and on the other in the center, and back again on the top, it will be difficult to tie should it be necessary to tie them down once more. To make a neat job see that the tops are all even. Not only will this make the finished benches look much nicer but it will give all the shoots an equal show and they will not shade one another as they would if they were allowed to grow tall here and there. In bending down the high growths see that they are not put below the top wire, for it would be far more difficult to make them set. All growths that are bent down should be left six inches above the top wire. Make sure that all knots are well tied, with the string around the wire at least once, so that they will not slip around when they are being syringed. Beauties that are being tied to stakes will be far more difficult to handle as the growths will have to be bent from stake to stake and the plants will always be more or less bunched, making it hard to syringe and to keep the plants free from spot. Better get wires for Beauties. They will do better and make far less trouble and work in taking care of them.

## Cutting Out Blind Wood on Beauties

With the sun much stronger and the days longer it will be safe to remove the weak wood that hangs here and there on the plants. This wood is short as a rule and can sometimes be traced to the mother shoot which had not been cut away down in the fall of the year. It can be taken out now thus giving the other growths a much better show and making it more difficult for red spider to gain a foothold. I have reference to only the very short wood which generally is too weak to hold its head up and will fall over before it reaches the second

wire. Some growers will use this for cuttings but we would never advise this, as if this is done year after year it will reduce the vitality of the plants also their flower bearing quality. They will bloom less and less until the grower finds a lot of plants on his hands that will not flower but just grow and grow with thirty feet of stem at times. Careful selection of wood will prevent this. If there is not much wood on the plants, none should be removed as it will hurt the plant more than benefit it. With plenty of strong healthy wood in the house these weakling shoots had better be taken out.

## Taking Out Old Sticks While Tying

When tying the Beauties be sure that all the sticks from specials that have been bent down and cut off are taken out. If this is not done a lot of weak wood is likely to result and that is not wanted. Cut the old shoot down to two eyes above the bottom wire and throw the old piece away. The two eyes that are left will shoot out as a rule and amount to something, whereas if the whole piece stayed there, there would be a weakling or two or no growth at all. In tying it is also well to watch for plants that may be struggling along without any top or with only a short growth or two. The buds of these short growths should be removed, thus giving them a better chance to lengthen out and take up some of the moisture and food that the roots are gathering. Take the buds while they are very small, as soon as they can be seen, and take them out with one leaf—two leaves wherever it can be done. If no leaf were taken with the bud, the eye which would start to grow would produce a bud almost at once so that the stem would lengthen hardly any.

## Disbudding Young Stock

See that all the buds are removed from the young plants as soon as they appear. The sooner they are taken the better, especially the Beauties, for they will ruin the plants if they are allowed to develop. It will be best to keep the young plants wet all the time and this will do much to keep them from setting buds. It is nature's law that all plants before dying must produce seed and as soon as the plants get dry they feel the end near, and so form buds. We have found this to be so time and again, especially with little plants just started in 2½-inch pots. It is equally bad to over-water, but with good porous soil such as should always be used for potting, and good drainage, there will be no trouble to keep the plants right. Of course there will be a certain amount of buds and of poor plants even with the best of care, but the percentage will be nowhere near as great as it would be were the plants neglected.

## A SPLENDID PUBLICATION.

The American Rose Society should be proud of its first Rose Annual—an advance copy of which has just reached us. It is a book of 180 pages and a triumph of editing and printing.

J. Horace McFarland in his labor of love has covered himself with glory, and the society has marked a milestone in its history that will be ever memorable. This is not a review of the book (which will occur in due

course in the regular routine) but a personal appreciation from the writer. If you are not already a member send in your subscription to Benj. Hammond and get the book. One dollar associate; three dollars active.

GEORGE C. WATSON.

## CLUBS AND SOCIETIES

### AMERICAN ROSE SOCIETY.

The following named gentlemen have accepted the position of judges for the American Rose Society at the National Flower Show in Philadelphia March 25 to April 2: Frank H. Traendly New York City; W. J. Palmer, Buffalo, N. Y.; Eugene Dallenbach, Philadelphia, N. Y.; Robert Chale, Philadelphia, Pa.; Philip Breitmeyer, Detroit, Mich.; Alex. B. Scott, Sharon Hill, Pa.; W. L. Rice, Kansas City, Mo.; Emil Buettner, Park Ridge, Ill.; James Forbes, Portland, Ore.; Admiral Aaron Ward, Roslyn, N. Y.; Fred Jackson, Guelph, Ont.; J. H. Dandoy, Richmond Hill, Ont.; George C. Thomas, Jr., Chestnut Hill, Phila., Pa.; Victor Groshens, Roslyn, Pa.

There will be submitted at the annual meeting of the society the report of the committee on standardizing the length of stems of roses for market and the question concerning the re-naming of roses. A proposed standard for outdoor roses made up by Dr. Robert Huey, Jesse A. Currey and George C. Thomas, Jr., has been submitted to the Executive Committee.

The annual bulletin for 1916 covering the business of the society for the year 1915, with a series of papers upon roses, colored illustrations, etc., is now ready to be mailed to each member of the American Rose Society. This book is a publication of uncommon worth and was a special effort to increase amateur membership.

The promise now is, that the Show of Roses in Philadelphia will reach the highest that has ever been brought together, which is saying a good deal. The extensive list of prizes is bountiful; the private donors are over fifty.

BENJAMIN HAMMOND, Sec'y.

Beacon, N. Y.

The American Rose Society's exhibit entry forms for the National Flower Show are out and copies may be had on application to the office of the Secretary, Benjamin Hammond, Room 1205 Widener Building, Phila., Pa. Intending exhibitors should promptly fill out and return same to the Secretary's office, with duplicate entry list to George E. Campbell, Erdenheim, Pa., Manager of Rose Exhibits. Notice particularly Secretary Hammond's address as given above, not Beacon, N. Y. The time for staging all rose plants in pots is March 25; cut roses, March 27; rose display exhibits, March 30.

### NEW JERSEY FLORICULTURAL SOCIETY.

The monthly meeting of the New Jersey Floricultural Society was held on February 21 in Orange, N. J. A letter was received from W. A. Manda, South Orange, N. J., offering a prize of \$5.00 for one flower each of his twelve seedling dahlias of 1916 dissemination, to be exhibited at our Dahlia Show in September. Joseph A. Manda spoke in regard to the prize he had offered to the member who brought in the most

## Meetings Next Week

### Monday, March 5.

Brooklyn Horticultural Society, Brooklyn, N. Y.  
Long Island Horticultural Society, Long Island City, N. Y.  
Houston Florists' Club, Houston, Tex.  
Michigan Horticultural Society, Detroit, Mich.  
New Bedford Horticultural Society, New Bedford, Mass.  
Washington Florists' Club, Washington, D. C.

### Tuesday, March 6.

Los Angeles Florists' and Gardeners' Association, Los Angeles, Calif.  
Los Angeles County Horticultural Society, Los Angeles, Calif.  
Paterson Floricultural Society, Paterson, N. J.  
Philadelphia Club of Philadelphia Philadelphians, Philadelphia, Pa.  
Pittsburgh Florists' and Gardeners' Club, Pittsburgh, Pa.  
State Florists' Association of Indiana, Indianapolis, Ind.

### Wednesday, March 7.

Cincinnati Florists' Society, J.abez Elliott Flower Market, Cincinnati, O.  
Dutchess County Horticultural Society, Poughkeepsie, N. Y.  
Morris County Florists' and Gardeners' Society, Madison, N. J.  
Nassau County Horticultural Society, Pembroke Hall, Glen Cove, N. Y.  
New York State Federation of Horticultural Societies and Clubs, Ithaca, N. Y.

### Friday, March 10.

Connecticut Horticultural Society, County Bldg., Hartford, Conn.  
Worcester and Fitchburg Horticultural Society, Doran's Hall, Greenwich, Conn.

### COMING EXHIBITIONS.

March 7-8, Moline, Annual meeting and exhibition of the Illinois State Florists' Association.

March 17, 18, 19, Boston, Spring Exhibition, Massachusetts Horticultural Society, Horticultural Hall.

March 15-April 2, Philadelphia, Fourth National Flower Show of the Society of American Florists, Convention Hall, Broad Street and Arch Street, Avenue.

April 3-12, New York, International Flower Show of the Horticultural Society of New York at the New York Florists' Club, Grand Central Palace, Forty-sixth Street and Lexington Avenue, New York.

May 10, 11, Boston, Mass. State Horticultural Society, Horticultural Hall.

new members. He said there did not seem to be any record of it on the minutes. An essay was read on the Young Gardener's Opportunity in America, by Henry Gibson of New York.

Max Schneider, gard. for Peter Hauck, Jr., East Orange, received the following points in monthly competition: Carnations, 80 points; Freesias, 70; Primula malacoides, 85; Violets, 70. William Jordan for Primula obconica, 70 points.

William Jordan, supt. to E. Remington Nichols, West Orange, received an honorable mention for Narcissus King Alfred.

GEORGE W. STRANGE, Sec'y.

### MASSACHUSETTS HORTICULTURAL SOCIETY.

The schedule of prizes offered for the year 1916 has been published and copies may be had on application to the secretary, W. P. Rich, Horticultural Hall, Boston. Prize exhibitions are arranged as follows: Spring Exhibition, March 17, 18 and 19. May Exhibition, May 10, 11, 12, 13 and 14. Peony Exhibition, June 10 and 11. Rose and Strawberry Exhibition, June 24 and 25. Sweet Pea Exhibition, July 8 and 9. Gladiolus Exhibition, August 11, 12 and 13. Exhibition of the products of Children's Gardens, September 2 and 3. Dahlia and Fruit Exhibition, September 9 and 10. Fruit and Vegetable Exhibition, October 7 and 8. Autumn Exhibition, November 1, 2, 3, 4 and 5. The most extensive of these events will be the May Exhibition and the Autumn Exhibition, the last named taking the place of the old chrysanthemum show. The May Exhibition is in a way an innovation. Hitherto a modest affair, it is planned for this year on a big scale and bold lines. A large number of special cash prizes and trophies of intrinsic value have been contributed for this occasion by patrons of Horticulture in and around Boston, the value of the prizes aggregating approximately \$4,500. The amount available for the year exceeds \$10,000.

### SOUTHAMPTON HORTICULTURAL SOCIETY.

At the regular meeting of the Southampton (N. Y.) Horticultural Society on Feb. 17th, the following named were appointed on the show committee for 1916. James Guilfoil, chairman; H. H. Wells, secretary; J. Dickson, financial secretary; J. Johnson, treasurer; S. R. Candler, corresponding secretary; F. H. Smith, U. G. Agor, J. W. King, R. Mercer, A. McDonald, T. T. Corrigan, G. H. Campbell. W. A. Malcom, who was elected vice-president at the annual meeting, tendered his resignation and D. T. Wells was elected to fill the vacancy. J. W. King read a paper on Growing Sweet Peas, first as grown for show purposes, also as grown for cut flowers, by the professional gardener with greenhouse facilities, as grown with the aid of hotbeds, also the novice who has no glass. This brought forth some discussion and exchange of views which was both instructive and entertaining.

### BUFFALO FLORISTS' CLUB.

The annual meeting of the Buffalo Florists' Club will be held on Tuesday, March 7. This meeting will not be at the rooms of the club but will be held at the "Hofbrau" in Eagle street, where a short session will be held and the election of officers for the ensuing year will take place. Following the meeting a banquet and entertainment has been arranged for and an invitation is extended to all local and out-of-town florists. It will be a jolly good time and the committee is anxious to make this the most well attended banquet yet held by the club.

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Begonia, Double Varieties to Color. Scarlet, Rose, White, Yellow, Crimson.....	.60	4.50	40.00
Begonia, Double Varieties in Choicest Mixture .....	.50	4.00	35.00
Begonia Zeppelin .....	1.25	8.00	70.00
Begonia Lafayette .....	1.50	12.00	
Fancy-Leaved Caladiums. An immense stock of the choicest varieties:			
Fine Standard Varieties.....	1.75	12.00	100.00
Rare and New Varieties.....	2.25	15.00	140.00
Rare and New Varieties.....	3.50	25.00	
Choice Mixed Varieties.....	1.50	10.00	90.00

For a complete list of seasonable Seeds, Plants and Bulbs, see our Garden Book for 1916, and also our current Wholesale List. If you have not received them please write us.

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## NEWPORT HORTICULTURAL SOCIETY.

At the February meeting of the Newport Horticultural Society papers were read on "Grafting and Budding," by E. Kempenaar, "The Culture of the Grape," by William MacKay, and "Rock Gardens," by Arthur W. Potter, Jr. All of these papers were excellent and were well discussed, many questions being ably answered by the authors.

At our first meeting in March, Bruce Bullerton will deliver a paper on the "Insect Pests of Boxwood," giving special advice as to the control of the leaf miner which has caused considerable damage to boxwood in this vicinity.

A notification from the Massachusetts Horticultural Society in regard to the Boston shows was read and received. It was remarked with regret that the Gladiolus Show to be held in Boston on Aug. 11-12-13 conflicts with

the dates intended for holding the Mid-Summer Show here, Aug. 10-11-12.

## FLORISTS' CLUB OF WASHINGTON, D. C.

Tuesday evening, March 7, will see the end of the administration of George H. Cooke as president of the Florists' Club, for that is the date of the annual election of officers for the ensuing year. At this time plans will be completed for the attendance at the Philadelphia Flower Show and the committee in charge, of which Harry B. Lewis is chairman, is expected to make its final report. The nominations already posted are as follows: For president, R. L. Jenkins; vice-president, Adolphus Gude; secretary, C. L. Linz; treasurer, William F. Gude, and for the executive committee: George Field, Adolphus Gude, George H. Cooke, Theodore Diedrich, David Bisset and William H. Ernest.

## CLUB AND SOCIETY NOTES.

The Lady Florists' Home Circle of St. Louis will be entertained by Mrs. F. C. Weber, Jr., at her home on Wednesday afternoon, March 8th.

W. H. Judd, of the Arnold Arboretum, will read a paper on Trees and Shrubs for Spring Planting at the meeting of the Gardeners' and Florists' Club, of Boston, on March 21.

The Horticultural Club of Boston had as special guests at its dinner on March 1st a delegation of gardeners from Lenox and vicinity. The table was decorated with vases of seedling carnations and novelties from S. J. Goddard and F. Dörner & Sons Co.

The St. Louis Florist Club will hold its meeting and cutflower exhibition at

Berning's wholesale establishment, Thursday afternoon, March 9th, at 2 o'clock. The Spring Flower Show committee met at the Bourdet Floral Co.'s place on Thursday night, to prepare a report.

Secretary J. G. Esler, of the Florists' Hail Association, has forwarded the twenty-eighth assessment notices to members of that organization. The association now has a reserve fund of \$37,000, which, with the increased membership, is growing rapidly. Losses during the past six months have been unusually heavy.

President C. W. Johnson, of the Illinois State Florists' Association, has appointed the following named gentlemen to act as judges over the exhibits at the next annual state meeting to be held in Moline, Ill., March 7-8. Charles Loveridge, Peoria; Emil Buettner, Park Ridge; George A. Washburn, Bloomington. Judging will begin promptly at 1 P. M. on Tuesday, March 7. J. F. AMMANN, Sec'y.

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- 1 Pkg. Large Flowering Asters, all colors and best varieties.
- 1 " Bachelor's Button.
- 1 " Cosmos, Giant Flowered, Mixed.
- 1 " Morning Glory, Mixed.
- 1 " Nasturtiums, Tall Growing, Mixed.
- 1 " Marigold, Mixed.
- 1 " Petunias, Mixed.
- 1/2 " Zinnias, Mixed.

### Fifty Cents

- 1 Pkg. Early Large Flowering, Mixed Asters.
- 1 " Midsummer Flowering, Mixed Asters.
- 1 " Late Branching Flowering, Mixed Asters.
- 1 " Sweet Alyssum.
- 1 " Candytuft.
- 1 " Early Blooming Cosmos, Large Flowers, Mixed.
- 1 " Late Blooming Cosmos, Large Flowers, Mixed.
- 1 " Nasturtiums, Tall Growing, Mixed.
- 1 " Pure White Spencer Sweet Peas.
- 1 " Rose Pink Spencer Sweet Peas.
- 1 " Ivory Colored Spencer Sweet Peas.
- 1 " Portulaca, Mixed.
- 1 " Petunias.
- 1 " Giant Flowered Verbenas, Mixed.
- 1 " Defiance Zinnias, Choice Mixed.

### One Dollar

- 1 Pkg. Giant Crego Aster, Mixed.
- 1 " "Earliest Fall" Aster, Mixed.
- 1 " Late Branching Aster, Mixed.
- 1 " Sweet Alyssum.
- 1 " Balsams, Choice Mixture.
- 1 " Candytuft.
- 1 " Bachelor's Button.
- 1 " Coxeomb, Mixed.
- 3 " Cosmos, Giant Crimson, Pink, White.
- 1 " Morning Glory.
- 1 " California Poppy, Mixed.
- 1 " Gaillardia, Mixed.
- 1 " Zinnias, Mixed.
- 3 " Larkspur, Rose, Scarlet, Pink, White.
- 1 " Verbenas, Mixed.
- 1 " Nasturtium, Mixed.
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DURING RECESS.

### N. Y. and N. J. Asso. of Plant Growers.

The eighth annual dinner of the New York and New Jersey Association of Plant Growers was held in the Green Room of the Hotel McAlpin, New York City, on February 23rd. Those present declared it was the most enjoyable and successful affair yet held by this association. After a hearty dinner J. H. Flessner, who is president and who acted as toastmaster, in an appropriate address welcomed the guests and then called upon numerous speakers, including F. R. Pierson, Anton Schultzeis, James McHutchison, A. L. Miller, Wm. H. Siebrecht, senior and junior, and others.

The attendance exceeded all expectations. The guests were seated at

round tables which were so arranged as to leave dancing space at one end of the room and a goodly number of the diners danced between each course. After the speechmaking was over dancing was again indulged in until the early hours.

The success of this, as well as all other affairs run by the Association, is to be credited to the dinner committee, which was headed by A. L. Miller.

### Boston Florists' Bowling Scores.

Flower EX.	1313	vs.	B. C. L. A.	110
M. & M.	1237	"	Flower M.	110
Zinn	1282	"	Robinson	110
Galvin	1319	"	Carbone	121

### Standing of Teams.

Galvin	1319	Flower EX.	1313
Flower M.	1237	Robinson	110
Zinn	1282	B. C. L. A.	110
Carbone	1319	M. & M.	1237

A meeting of the Florists' Bowling

Association, of Boston, was held on Tuesday, February 29, at the Boston Flower Exchange. It was decided to have the annual banquet on March 23, 1916.

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## In Sutton's Seeds Are England's Choicest Novelties

**H**ave you not in your back this year, as yet, seen people who have seen nothing like you? If so, you are in luck. You are in luck.

Other years the annual trip abroad has satisfied them. This year, the war keeps them here.

It's plain to be seen, then, that the firm who has England's choice novelties to sell, is going to scoop in a goodly bundle of new profitable business. Business that will give you an entering wedge with a number of people you have found it hard to reach before.

In Sutton's 190-Page Garden Guide you will find a wonderful collection of England's choicest novelties.

Send 35c. for Garden Guide. It tells you how to duplicate our Old English Gardens. With \$5 purchase of seeds the 35c. will be promptly refunded.

*Sutton's*

Royal Seed Establishment, Reading, England

WINTER, SON & COMPANY  
66-B Wall Street - New York

Sole Agents East of Rocky  
Mountains

THE SHERMAN T. BLAKE CO.  
431-B Sacramento Street

San Francisco, California  
Sole Agents West of Rocky  
Mountains

## SEED TRADE

### One Week's Imports

Imports at the port of New York of horticultural material for the week ending Feb. 19th, were recorded as follows:

Bulbs—Belgium, \$107; Denmark, \$6,250; France, \$56; Netherlands, \$7,364; England, \$141; Hongkong, \$535.

Plants, Etc.—France, \$12,668; Netherlands, \$14,847; England, \$1,182; New Zealand, \$11.

Red Clover Seed—France, \$162,135; Italy, \$26,592.

Other Clover Seed—Japan, \$21; Russia, \$64,375.

Grass Seed—Denmark, \$2,495; Spain, \$3,747; Scotland, \$180.

All other seeds—Denmark, \$5,239; France, \$4,643; Italy, \$1,805; Netherlands, \$12,634; England, \$10,689; China, \$11,348; Hongkong, \$3,513; Spain, \$799.

Nitrate of soda—Chile, \$325,212.

Other fertilizers—Scotland, \$275.

### An Equitable Postage Bill.

In the House of Representatives, on Feb. 16, 1916, Congressman Tague introduced the following bill, H. R. 11621, which was referred to the Committee on the Post Office and Post Roads and ordered to be printed.

A bill to provide for mailing catalogues, circulars, etc., now mailable under eight ounces in weight at the third class rate of one cent for two ounces or fraction thereof, at a pound rate of eight cents.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, that

on matter embraced in the third class, including circulars, catalogs, pamphlets, price lists, and other similar matter wholly in print of some form, upon which the postage is now paid at the rate of one cent for each two ounces or fractional part thereof, fully prepaid either by postage stamps affixed or without stamps under a postpaid number, the same rate is hereby extended to apply to the mailing of such printed matter in bulk, to varying addresses, irrespective of the individual weight thereof within a limit of four pounds, without stamps affixed, at eight cents per pound or fractional part thereof to be fully prepaid in similar manner as now by law provided for the mailing of matter of the second class; but such pound rate shall apply only when such printed matter is offered in quantities of one pound or more.

Sec. 2. That this Act shall take effect upon its passage.

### Danish Embargo on Root Seeds.

Hjalmar Hartmann & Co., Copenhagen, report to us that the Danish Government has put an embargo on all root seed for cattle feeding, such as mangels, rutabaga and turnips. These seeds, fortunately, are not used in such large quantities in the U. S. as in Europe. The demand, however, is increasing every year. Germany formerly was the largest supplier but quite a little of that trade went to Denmark since the outbreak of the war. While not a very serious matter this embargo will embarrass considerably those seed houses that sell largely in the farming districts.



## SEEDS for the FLORIST

### STOCKS Boston Flower Market

Unsurpassed for the largest percentage of double flowers. We have crimson, canary yellow, dark blue, deep blood red, apple blossom, bright rose, light blue, scarlet.

Trade pkt. \$1.00; Pure White, trade pkt., \$1.50.

Sweet Peas, Asters, Cyclamen, Petunia, Primula.

Lily of the Valley from our own Cold Storage Plant.

Our Trade List Mailed on Application.

**FOTTLER, FISKE, RAWSON CO.,** THE SEED STORE  
Faneuil Hall Square **BOSTON**

## SEEDS--ONION SETS

Appreciation of a high order of Merit in Seeds and Seed Service leads naturally to purchasing from

**LEONARD SEED COMPANY**

226-230 W. KINZIE ST.,

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## MICHELL'S NEW CROP

### Asparagus Plumosus Nanus Seed

NORTHERN GREENHOUSE GROWN

1,000 Seed.....	\$3.50
5,000 Seed.....	15.50
10,000 Seed.....	30.00
25,000 Seed.....	71.50

Special Prices on Larger Quantities.

### Asparagus Hatcheri Seed

100 Seed.....	\$ .75
500 Seed.....	3.00
1,000 Seed.....	5.00

### Asparagus Sprengeri Seed

1,000 Seed.....	\$ .75
5,000 Seed.....	3.00
10,000 Seed.....	5.50
25,000 Seed.....	12.50

Also all other Seasonable Seeds, Bulbs and Supplies for the Florist.

SEND FOR OUR NEW WHOLESALE CATALOG IF YOU HAVEN'T A COPY.

**HENRY F. MICHELL CO.**  
518 Market St., Philadelphia, Pa.

## Spring and Fall Bulbs

### HOGEWONING & SONS

RYNSBURG, HOLLAND

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Send for Wholesale Quotations

### LILIUM GIGANTEUM COLD STORAGE

Extra Selected Stock. Gladiolus for forcing. Nanus, Colvillei or large flowering type. Greenhouse Fertilizers. Ask for 1916 Seed Catalogue.

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WHOLESALE FIELD AND GARDEN SEEDS

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BALTIMORE, MD.

### "SEEDS WITH A LINEAGE"

Seeds with a generation of finest flowers and vegetables back of them—carefully selected—really tested. Write today for Catalog.

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Importers and Growers of

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**Burpee's Seeds**  
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BLUE LIST OF WHOLESALE PRICES  
MAILED ONLY TO THOSE WHO PLAN  
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# NEW SHRUB

Lonicera Maackii Var. Podocarpa

The finest of all the Bush Honey-suckles, beautiful in fruit, which it holds through December.

Price \$1.00 each ; \$10.00 per dozen

**R. & J. FARQUHAR & CO.**

Boston, Mass.

## Lily of the Valley Pips

BERLIN and HAMBURG

COLD STORAGE

In cases of 3000 pips.....	\$40.00 each
" " " 1000 " .....	14.00 "
" " " 250 " .....	4.00 "

J. M. THORBURN & CO.

53 Barclay St., through to 54 Park Place  
NEW YORK

Seedsmen requiring the very best selection of

## Garden Seeds

(VEGETABLE AND FLOWER), especially

Kelway's Celebrated English Strains

can get them at lowest independent wholesale rates by sending their orders direct to

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Wholesale Seed Growers

LANGPORT, SOMERSET, ENGLAND  
Special quotations on application

**W. E. MARSHALL & CO.**  
SEEDS, PLANTS AND BULBS  
Horticultural Sundries

166 W. 23rd St., NEW YORK

**JAMES VICK'S SONS**  
Seedsmen, Nurserymen,  
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ROCHESTER, N. Y.

Your Best "Help" —  
in all Seasons



The modern scientific method of plant raising.

Send for illustrated descriptive circular and sample, 15c.

Also our Collapsible Paper Seed Pot in 2 sizes, 4x2 and 4x3 square, for growing Tomatoes, Sweet Peas, &c., \$10.00 a thousand.

**The Cloche Co.**

131 Hudson St., New York  
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## SWEET PEA SEED

Winter or Summer Spencer, only the best commercial varieties.

**ANT. C. ZVOLANEK**

SWEET PEA RANCH

LOMPOC, CALIF.

## KEYSTONE SNAPDRAGON

Best Winter flowering Pink Snapdragon on the market. Per pkt., \$1.00; 6 pkts. for \$5.00.

**S. S. SKIDELSKY & CO.**

PHILADELPHIA, PA.

**D. D. P. ROY**

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Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

*Cost of Cabling Foreign Deliveries  
Must be prepaid*

Reference or cash must accompany all orders from unknown correspondents.  
Cable Address, ALEXCONNELL.

*Danker*

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Florists' Telegraph Delivery  
Association

Orders for New York. Write or Phone to

**MAX SCHLING**

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Best Florists in the States as References.  
EUROPEAN ORDERS EXECUTED.  
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Member Florists' Telegraph Delivery Asso.

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Deliver orders from any part of the country to

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Or OUT-GOING STEAMERS

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N. E. Cor. 44 St. & Madison Avenue, N. Y. City  
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Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardsflor

**YOUNG & NUGENT**42 West 28 Street  
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**Of Interest to Retail Florists**

NEW FLOWER STORES.

Findlay, O.—Geo. M. Palmer.

Easton, Pa.—Adolf Fischer, 3 Center square

Sault Ste. Marie, Mich. Wm. E. F. Weber

New Bedford, Mass.—Ernest Chamberlain

Merced, Cal.—Miss Jennie Miller, 617 L street

Toledo, O.—The Mussbach Sisters, Oliver street.

Flint, Mich.—Clason &amp; Ellis, 1327 S. Saginaw street.

Vineland, N. J.—Lyons, the Florist, 522 Landis avenue.

Rochester, N. Y.—Lillian Wheeler, South Clinton street.

Bristol, Ct.—Paul M. Hubbard &amp; Co., Gwillim block, Main street.

Chicago, Ill.—O. A. and L. A. Tonner, 30 E. Randolph street. (Wholesale)

Providence, R. I.—Lippman, the florist, branch at 222 Westminster street.

San Francisco, Cal.—W. Bingham, 323 Clement street, succeeding Jordan Park Flower Shop.

## NEWS NOTES.

Hancock, Mich.—Dale & Nicholas have bought the business and green-houses of the A. M. York estate.

New Bedford, Mass.—R. H. Woodhouse has resumed business at his former location, Allen and Ward streets.

Washington, N. J.—Herrick & Roons, florists, of Hackettstown, have opened a branch store in this city, with Elmer S. Thompson in charge.

New Haven, Ct.—The store of John N. Champion, florist, at 1026 Chapel St., was burglarized early in the morning of Feb. 17th and \$15 in cash was taken from the office.

**SAMUEL MURRAY**Kansas City, Mo.  
1017 Grand Ave.

Member of the Florists' Telegraph Delivery

**The Park Floral Co.**

J. A. VALENTINE, Pres.

Members Florists' Telegraph Delivery.

**DENVER, COLORADO  
HIGH GRADE PLANTS**

For Retail Stores a Specialty

ASK FOR LIST

THOMAS ROLAND, Nahant, Mass.

**F. R. PIERSON CO.**FLORISTS AND  
PLANTSMEN

TARRYTOWN ON HUDSON, - N. Y.

**JOHN BREITMEYER'S  
SONS**Cor. Broadway and Gratiot Aves.  
DETROIT, MICH.**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.  
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1224 15TH ST. N.W.  
WASHINGTON, D.C.**GUDE BROS. CO.**  
WASHINGTON, D. C.

Member Florists Telegraph Delivery

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**National Capital**

At your service to deliver Flowers  
or Designs on Order by Tele-  
graph or otherwise. Prompt  
Reliable Service.

**GEORGE H. COOKE**Connecticut Ave. and L St.  
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**J. B. KELLER SONS,  
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2880  
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**"THE HOME OF FLOWERS"**

The largest cut flower store in America.  
Orders for the TWIN CITIES and for all  
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tention.

**HOLM & OLSON, Incorporated**  
ST. PAUL, MINN.

**THE ROSERY**

23 STEUBEN ST.

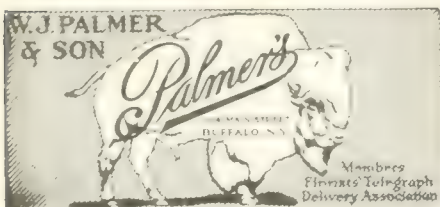
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**A. T. BUNYARD  
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413 Madison Avenue at 48th Street.

WE GUARANTEE SATISFACTION  
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# CHICAGO Send Your Orders to WILLIAM J. SMYTH

Member Florists' Telegraph  
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Michigan Ave. at 31st Street

Prompt Auto Delivery  
Service

**THOS. F. GALVIN**  
INC.  
**NEW YORK** 561 Fifth Ave.  
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**BOSTON** 1 Park Street  
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Deliveries to Steamers and all Eastern Ports

**CLEVELAND**

**A. GRAHAM & SON**  
5523 Euclid Ave.  
Will take good care of your orders  
Members of F. T. D. Association.

**WASHINGTON**  
915 F ST. N. W.  
**F. H. KRAMER**  
Auto delivery of Designs and Flowers to  
any address in Washington.  
Stock and Work First Class

Orders Filled Day or Night for  
**CLEVELAND**  
and State of Ohio  
Complete Stock. Regular discount to Trade.  
**KNOBLE BROS.**  
1836 W. 25th St., Cleveland, O.  
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**THE SMITH & FETTERS CO.**  
735 Euclid Avenue  
**CLEVELAND, OHIO**  
Flowers of Every Kind in Season

**SALTER BROS.**  
FLORISTS  
38 Main Street, West  
**ROCHESTER, - N. Y.**

**HESS & SWOBODA**  
FLORISTS  
Telephones 1501 and L 1532.  
1415 Farnum St.,

**OMAHA, NEB.**  
**S. A. ANDERSON**  
440 Main St., Buffalo, N. Y.  
ANDERSON service means fresh, sturdy  
stock and prompt deliveries in BUFFALO,  
LOCKPORT, NIAGARA FALLS and  
WESTERN NEW YORK.  
Members of Florists' Telegraph Delivery.

**WORCESTER, MASS.**  
Randall's Flower Shop  
HARRY L. RANDALL, Proprietor.  
Member Florists' Telegraph Delivery Association

## IN THE HEART OF THE COMMONWEALTH

Centrally Located for Deliveries in All Parts of New England.

**H. F. A. LANGE**

125,000 Sq. Ft. of Glass  
WORCESTER, MASS.

### PERSONAL.

Edward J. Steele, florist, 2 Steele St., Worcester, Mass., and Freda J. Johnson, were married Tuesday morning, Feb. 28th.

Wm. Judd, of the Arnold Arboretum and Miss Lucy Smith, of Weston, Mass., were married at St. Paul's church, Boston, on March 1st.

Miss Louise I. Creelin is now employed by I. F. Drake, North street, Pittsfield, Mass. She was formerly with the Flower Shop.

John Callon, former manager of the H. F. Grinnell greenhouses, Fall River, Mass., has accepted a position with Patrick H. Sullivan, florist.

Herman Kuhner, formerly with A. N. Pierson, Cromwell Ct., has accepted the position of grower for Hopkins, the Florist, Brattleboro, Vt.

Gustave X. Amriyn, superintendent of the public parks of New Haven, Conn., was one of those injured in the recent train wreck on the N. Y., N. H. & H. R. R. at Milford. He is reported as doing nicely and expects to be out again in about two weeks.

### NEW CORPORATIONS.

Oshkosh, Wis.—Oshkosh Seed Co., capital stock, \$1,000. Incorporators, Carl Roewekamp, H. Roewekamp and G. L. Born.

Green Castle, Ind.—Horticultural Service Company, capital stock, \$10,000. Incorporators, C. B. Durham, H. W. Hobbs and J. W. Frost.

Cleveland, O.—Westman & Getz Co., 5923 Euclid avenue, capital stock, \$10,000. Incorporators, Chas. E. Adams, Hester Getz, H. W. Dirksen, C. E. Dirksen and A. C. Adams.

### BUSINESS TROUBLES.

Richmond, Va.—Ratliffe & Tanner, voluntary bankrupts, assets, \$51,589.26; liabilities, \$48,403.31. Unsecured claims, \$28,281.

Newark, O.—George L. Miller, grower, voluntary bankrupt. E. T. Johnson is the assignee, and will continue the business until sold.

Please stop ad. Replies have been very numerous.

A. J. L.

Elkhart, Ind.—West View Floral Co. has purchased the business of Hugh Hills.

*Penn. The Florist*

"The Telegraph Florist"

Member of Florists' Telegraph Delivery

124 Tremont St., BOSTON

**REUTER'S** Members Florists  
Telegraph  
Delivery

STORES IN

New London and Norwich, Conn.  
and Westerly, R. I.

We cover the territory between  
New Haven and Providence

ST. LOUIS, MO.

**FRED C. WEBER**  
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NOTICE INITIALS. We have one store only

THE J. M. GASSER COMPANY,

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The Far-Famed Flowers of  
**TORONTO**

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP**  
6-10 West Adelaide St. - TORONTO, ONT.

ALBANY, N. Y.

**EYRES**  
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.

**KERR** ORDERS FOR TEXAS  
HOUSTON, TEXAS  
Member F. T. D. Association

## NEWS ITEMS FROM EVERYWHERE

### PHILADELPHIA

speaker of the evening before the Baltimore Florists' and Gardeners' Club on February 28. He did not know what he was to talk about before he started; but that did not seem to

The Henry F. Michell Co. have added 21-23 S. Bank street, which they have purchased and will use as a warehouse. The building is four stories high and basement, modern and convenient to the chief steamboat and railroad depots to afford quick delivery and receipt of merchandise.

Miss Grace Battles, daughter of H. H. Battles, and George B. Yerkes, were married on February 23 at Holy Trinity Church. The floral decorations at the church and at the Bellevue-Stratford are pronounced by competent judges to have been the most elaborate and beautiful ever seen in Philadelphia.

R. T. Brown, of the Cottage Gardens Co., who was appointed the speaker at the monthly meeting of the Florists Club for Feb. 1st, but who did not appear, writes that he has just returned from a trip south and west and explains that he had never received the notification of his appointment—although that had been passed by vote of the club at its November meeting. This explanation is due to Mr. Brown, who feels that he has been put in an unfavorable light through no fault of his own.

Samuel R. Aiken, who conducted a retail store on Columbia avenue for many years, is now located in Charlotte, N. C., with the Schultze Flower Store. Robert Lockerbie, another well-known Philadelphian, is also with Schultze. He will give a lecture on March 14 before the Presbyterian Church on his native country. If there should happen to be any English in the audience they will feel quite small, after they hear "Stirling Bridge" sung by the choir. There are bugles in it. Also, they seem to cut off heads about six at a swish.

### PITTSBURGH.

John R. Bracken, of the landscape department of the A. W. Smith Company, spoke on Wednesday evening of last week before the Farmers' Institute, which held a two-day's session at Ingomar, on the Ornamentation of the Home Grounds.

Mr. and Mrs. Jacob Heinz celebrated their silver wedding anniversary on Friday of last week. Mr. Heinz was formerly a well known gardener, as was his father, Henry Heinz, who brought his family to America in 1847 from Coblenz, Prussia, of which Mrs. Heinz is also a native.

Miss Elsie Kiss, who has been a designer for the past two years with the

Gostovich of Detroit, Michigan, were married on Thursday of last week. They will make their home in Detroit, where the bridegroom is engaged in the retail grocery business. Both are Austrians, Mrs. Gostovich having come from Budapest about two years ago.

### CHICAGO.

J. A. Senta has returned from a five weeks' trip to Florida and Cuba.

John Enders was taken seriously ill Saturday night and is threatened with pneumonia.

The prominence of baskets of flowers among the trade offerings is very apparent from the displays in the store windows. Everything from the toy-like basket of Sweetheart roses to the large imposing ones of American Beauties are in the running. They are used in all kinds of social affairs, for funeral offerings and for gifts.

Julius Schnapp and daughter, Elsa, arrived from Seattle on the 28th to again make Chicago their home. Mr. Schnapp was for many years engaged in the florists' business on the south side and five years ago went to Seattle to take charge of the retail store of the Hollywood Gardens. He will now take a responsible position with the Alpha Floral Co., which will also include Miss Elsa.

Phil McKee, of the American Greenhouse Co., is spending a few days in St. Louis, Mo., looking after some work there for the W. A. Rowe Floral Co. This firm expects to start glazing at once on the big greenhouses now being erected for A. F. Amling at Maywood and which include 275,000 square feet of glass. It is expected that with favorable weather the range, which was begun about Dec. 10th last, will be completed next month. Work on the range at Cudahy, Wis., will begin next week. R. R. Brenton is now handling a sales campaign for the American Greenhouse Co.

### WASHINGTON, D. C.

An effort is to be made to have the Government devote the so-called Plaza property which it has recently acquired, to the United States Botanic Gardens and it is expected that a resolution directing the Committee on Library to make report as to the desirability of this will shortly be introduced into the Senate. William F. Gude is very anxious that this be done. If the gardens are extended in this way, he says, he will make an effort to have the William R. Smith Memorial located in the new section. He asks that all florists throughout the United States who want to aid in a really good work should write to their congressmen and senators asking them to favor this plan.

The week just passed was noted for its many large decorations. At the Beaux Arts ball enormous amounts of

American lilies and other flowers, carnations, orchids and spring flowers and palms, ferns and spruce and cedar trees were used. The chandeliers were removed and in their place lanterns, with blue lights, were suspended, giving the effect, with the many shops and booths, of a moonlight street scene in Paris. The feature of the Gridiron dinner was the electric fountain with the water falling over a small bronze statue, placed in the center of the table and surrounded by a mound of growing orchid plants. Garlands were placed the length of the table and were made of spring flowers. The walls were decorated with smilax, the alcoves filled with palms and forsythia and at one end of the room was a miniature forest.

Speaking of Easter lilies, W. F. Gude says: "We have been agreeably surprised this year at the way our stock of Bermuda Harrisii has been coming along. Last year the crop was more than fifty per cent failure, while the preceding year the results were even more unsatisfactory. We were about through with this flower, but decided to give it another trial and accordingly put in about one-tenth the usual crop. The results are such that if we can get the same quality of bulbs we will again go into the production of these on the scale of previous years. The Formosum lilies this year are also very good and are very popular." Mr. Gude predicts great things for the F. T. D. S. and hints at a number of things on which he is at present working that will bring this service before the public in a way which will tend to bring about undreamed of results.

### NEW YORK.

Doubleday, Page & Company are about to open a headquarters in New York City, taking the Book Department of Lord & Taylor. A series of lectures on horticultural and rural topics in the Lecture Hall will be a feature of this enterprise.

The "largest horticultural auction salesroom in the world" will be the Mecca of a throng of interested patrons when, at the stroke of 11 A. M. Tuesday, March 7th, Auctioneer MacNiff makes his bow, hammer in hand, for the opening gun of the season of 1916. Go down and see the fun and help things along.

### BOSTON.

An unusually large number of bulb salesmen have come to this section with very low quotations for next season's delivery.

Mr. and Mrs. M. A. Patten sailed February 26 on the S. S. Atlanta for Savannah, Ga., and Jacksonville, Fla. They expect to take in some of the different places through Florida and get rid of some of Massachusetts March weather. Neither have been in the best of health since about Christmas, and it is hoped this will do them lots of good. They expect to return about the first week or so of April.

# For the Florists of America

A NEW LINE OF

## Baskets, Plant Receptacles and Other Up-to-Date Goods

Get Them  
**NOW**

Quaint and Shamrocky Novelties for St. Patrick's Day

Get Them  
**NOW**

Superior in quality and design to anything ever imported. Also more for your money. These goods are **new, original and profitable**. Many of them we handle exclusively; of the rest we handle more than any other supply house in this country.

*Send for Our Silent Salesman*

**THE FLORISTS' SUPPLY HOUSE OF AMERICA**

**H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.**

### Obituary

#### August Junge.

August Junge, formerly of the firm of Komitsch & Junge, growers, of Se-caucus, N. J., died of gas poisoning Feb. 15th. He was a native of Germany and about 43 years of age and unmarried.

#### William A. Martin.

Wm. A. Martin, of Houlton, Me., president of the National Potato Growers' Association in 1913 and 1914, died in a hospital at Richmond, Va., on Wednesday, February 23, following a train wreck on the Seaboard Air Line in which he was injured on the previous Thursday. Mr. Martin was closely identified with the work of the U. S. Horticultural Board in Aroostook County, Me.

#### David T. Watson.

Nurserymen and bulbmen and seedsmen throughout the country will regret to hear of the death of David T. Watson, the eminent attorney, which took place at Atlantic City, on Thursday of last week. Owing to his interest in the horticultural features of his fine old country place near Leesdale, Pa., Mr. Watson was probably better known to the trade at large than any amateur in Western Pennsylvania. The funeral from his North Side home on Ridge avenue on Monday afternoon called into requisition more rare flowers than probably any previous one hereabouts.

#### Mrs. J. A. Pettigrew.

Ann M., widow of John A. Pettigrew former superintendent of Boston Park System, died at the home of her daughter in Brooklyn, N. Y., on Saturday night, February 26. She had been visiting her daughter, Mrs. Hinckley, and was taken with pneumonia on Monday, February 21. All her children were with her during the last part of her illness, Dr. R. R. Pettigrew, from Youngstown, Ohio, and the three daughters, Mrs. George

T. Sisson, Mrs. Ralph W. Curtis and Mrs. George W. Hinckley. The services were held in Brooklyn, Monday afternoon.

#### Albert Roper

The Boston daily papers announce under big headlines the murder of Albert Roper, widely known as a carnation grower of much ability, in his greenhouse at Tewksbury, Mass. His body was found at midnight, Wednesday, March 1, by his son Chester. Mr. Roper was last seen alive at 9 o'clock Wednesday night. It is believed his skull was fractured by blows on the head. His money was stolen from his trousers pockets, and the indications were that Mr. Roper made a hard



ALBERT ROPER

struggle before being killed. After informing his mother and brothers, Chester Roper notified the police.

Mr. Roper who has been in business in Tewksbury 20 years was well-known among the carnation growers of this country and abroad as a very successful raiser of new varieties. His first great triumph was Fair Maid, which is credited with having been one of the greatest money making carnations ever grown. Since that time he has repeatedly taken high honors at the American Carnation Society's exhibitions.

His tragic death will bring sorrow to many friends in the trade and sympathy for the bereaved family. He was a quiet mannered, unobtrusive

man, a hard worker and always courteous to callers at his greenhouses where he had many interested visitors. He leaves a wife and six children.

#### Max Rudolph

Max Rudolph, the well-known and popular Cincinnati florist and president of the Cincinnati Florist Society, died at his home on Tuesday, February 22d, of heart failure. The end came almost without any warning whatever. He was born in Leipsig fifty-two years ago. At the age of eighteen Mr. Rudolph came to this country and followed his trade, the florist business. In 1891 he opened his own store on 12th street, and nine years later built his greenhouses. As a member of the Cincinnati Florist Society, the S. A. F. and O. H., the German Pioneer Society, and The Cuvier Press Club he formed a wide circle of friends and acquaintances. Mrs. Elizabeth, his widow, and Roy Rudolph, his son, survive him. Mr. Rudolph was a hustler and through his efforts built up a good business.

#### Fred W. Bruenig.

Fred W. Bruenig died on February 25th at Lutheran Hospital, St. Louis, after an operation for stomach trouble. He took sick at the funeral of the late Conrad Bergestermann where he was to be a pallbearer. His sudden death was a great shock to his many friends as he was always in the best of health. Mr. Bruenig was born in Germany, 53 years ago, and came to this country when a small boy and obtained employment in Elleard's floral establishment where he learned the business and 25 years ago started at his present location and has since built up a prosperous business with a large growing plant across the river at Columbia, Ill. Mr. Bruenig was married and has four children who mourn his loss. He was prominent in many social orders as a member and also of the S. A. F., St. Louis Florist Club and Retail Florists' Association, who sent floral tributes to his late home. The funeral took place Monday, Feb. 28. The members of the Florist Club attended in a body.

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## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON March 4	ST. LOUIS Feb. 21	PHILA. Feb. 18
<b>Roses</b>			
Am. Beauty, Special	60.00 to 75.00	25.00 to 40.00	60.00 to 75.00
Fancy and Extra	40.00 to 50.00	20.00 to 30.00	40.00 to 50.00
No. 1	30.00 to 40.00	15.00 to 25.00	30.00 to 40.00
Russell, Hadley	8.00 to 12.00	10.00 to 15.00	6.00 to 10.00
Killarney, Richmond, Hillingdon, Ward, Extra	6.00 to 12.00	8.00 to 10.00	10.00 to 12.00
Ordinary	3.00 to 6.00	5.00 to 6.00	4.00 to 8.00
Arenburg, Radiance, Taft, Key, Extra	6.00 to 12.00	8.00 to 10.00	10.00 to 12.00
Ordinary	3.00 to 6.00	5.00 to 6.00	4.00 to 8.00
Ophelia, Mock, Sunburst, Extra	6.00 to 12.00	8.00 to 10.00	10.00 to 12.00
Ordinary	4.00 to 6.00	5.00 to 6.00	4.00 to 6.00
<b>Carnations, Fancy</b>	8.00 to 10.00	2.00 to 3.00	4.00 to 6.00
Ordinary	1.50 to 2.00	1.00 to 1.50	2.00 to 3.00
<b>Cattleyas</b>	30.00 to 50.00	50.00 to 60.00	70.00 to 80.00
<b>Dendrobium formosum</b>	10.00 to 12.00	10.00 to 12.00	10.00 to 12.00
<b>Lilies, Longiflorum</b>	6.00 to 8.00	4.00 to 6.00	4.00 to 6.00
Rubrum	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
<b>Callas</b>	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
<b>Lily of the Valley</b>	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
<b>Daisies</b>	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
<b>Violets</b>	.35 to .50	.25 to .35	.25 to .35
<b>Mignonette</b>	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00
<b>Snopdragon</b>	4.00 to 6.00	3.00 to 4.00	4.00 to 6.00
<b>Daffodils</b>	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
<b>Gladioli</b>	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
<b>Tulips</b>	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
<b>Hyacinths</b>	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00
<b>Freesia</b>	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00
<b>Calendulas</b>	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00
<b>Lilac</b>	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
<b>Sweet Peas</b>	50 to 1.50	.50 to 1.00	.50 to 1.00
<b>Gardenias</b>	20.00 to 25.00	10.00 to 15.00	6.00 to 10.00
<b>Adiantum</b>	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
<b>Smilax</b>	12.00 to 15.00	1.00 to 1.50	12.50 to 15.00
<b>Asparagus Plumosus, &amp; Spreng.</b> (100 Bchs.)	25.00 to 35.00	20.00 to 30.00	35.00 to 50.00

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## Flower Market Reports

**BOSTON** The cold snap of the first of the present week shortened up the flower supply considerably. Most affected were the carnations, which are very scarce and sell at a good figure. Roses have been cheaper but the shortage of carnations is sending them higher. Sweet peas are more plentiful, also violets. Bulb stock is coming fine and sells well. Primroses and pansies are much better and find a ready market. Snapdragon is more plentiful and sells very poorly at present.

Bright sunshine has had a tendency to bring on more flowers, especially carnations and bulbous stock. The former are coming in heavier each day and a good many ordinary are seen. Good stock has had fair sales. Lilies are fine and selling well. Roses are coming in heavier and the merchant has little or no trouble to fill his wants. Sweet peas are fine, lily of the valley is good and there is a good supply of daisies, mignonette, hyacinths and all corsage flowers. Floral work has been quiet and stock on some lines has seen accumulation, though it cannot be said that business is bad.

There is stock enough to meet all demands. **CHICAGO** Shipping trade has been heavy, but local trade has been rather light. There is considerable stock of second grade and the retail stores are showing the special price signs on southern jonquils, carnations, roses, etc. Tulips and daffodils continue to crowd the counters. Of the large roses Mrs. Russell is most in evidence. Beauties are still scarce. There is a large supply of lilies and callas and first quality move rapidly. Sweet peas are scarce, buds having dropped during cloudy weather. Freesia still in good supply. Violets are not so much of a feature at this time. The demand for them has not equalled that of former years. Lily of the valley is scarce and much of it is small.

The supply of stock **CINCINNATI** is about the same as it was at the last writing while the demand is strong enough to take up most of it. Stripping business is excellent. Roses have shown considerable improvement. Short American Beauties are in heavy supply but the long ones are extremely scarce. The carnation cut is not as large as it was. Lilies as well as callas continue to hold their own. Bulbous stock generally has a fair market. Sweet peas, lily of the valley and orchids are all excellent. Violets do not have a very good market.

Little needs to be said in detail regarding present market conditions. All stock is coming on full-till, and the street men and surplus-moving stores are in high spirits, alert for bargains and clamorous as usual when such conditions prevail. The standard of value on all stock is on the downward trend. The varieties of flowers in the market is unusually extensive.

**PHILADELPHIA** Early in the past week things were a bit draggy but



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## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Feb. 28		CHICAGO Feb. 28		BUFFALO Feb. 28		PITTSBURG Feb. 21	
<b>Roses</b>								
Am. Beauty, Special.....	40.00	to 50.00	35.00	to 50.00	60.00	to 75.00	60.00	to 75.00
" " Fancy and Extra....	20.00	to 30.00	25.00	to 35.00	30.00	to 50.00	40.00	to 50.00
" " No. 1.....	8.00	to 15.00	8.00	to 12.00	5.00	to 15.00	12.50	to 15.00
Russell, Hadley.....	8.00	to 15.00	5.00	to 25.00	10.00	to 15.00	8.00	to 12.00
Killarney, Richm'd, Hill'don, Ward	8.00	to 10.00	8.00	to 10.00	10.00	to 12.00	8.00	to 12.00
Arenburg, Radiance, Taft, Key, Ex.	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00
Ord.	8.00	to 10.00	8.00	to 10.00	12.00	to 15.00	8.00	to 12.00
Ophelia, Mock, Sunburst, Extra ...	4.00	to 6.00	4.00	to 6.00	6.00	to 10.00	4.00	to 6.00
Ordinary	4.00	to 6.00	4.00	to 6.00	5.00	to 7.00	4.00	to 6.00
<b>Carnations, Fancy.....</b>	1.00	to 4.00	1.00	to 4.00	1.50	to 3.00	2.50	to 3.00
Ordinary.....	1.00	to 2.00	1.00	to 2.00	1.50	to 2.00	1.50	to 2.00
<b>Cattleyas.....</b>	40.00	to 50.00	30.00	to 40.00	40.00	to 50.00	25.00	to 30.00
<b>Dendrobium formosum.....</b>	10.00	to 15.00	10.00	to 15.00	10.00	to 12.00	10.00	to 12.00
<b>Lilies, Longiflorum.....</b>	6.00	to 10.00	6.00	to 10.00	6.00	to 10.00	6.00	to 10.00
<b>Rubrum.....</b>	8.00	to 10.00	8.00	to 10.00	8.00	to 10.00	8.00	to 10.00
<b>Callas.....</b>	5.00	to 10.00	3.00	to 5.00	4.00	to 5.00	4.00	to 5.00
<b>Lily of the Valley.....</b>	5.00	to 10.00	3.00	to 5.00	4.00	to 5.00	4.00	to 5.00
<b>Daisies.....</b>	2.00	to 3.00	2.00	to 3.00	1.00	to 1.50	2.00	to 3.00
<b>Violets.....</b>	5.00	to 7.50	4.00	to 7.50	5.00	to 6.00	5.00	to 6.00
<b>Mignonette.....</b>	4.00	to 8.00	3.00	to 5.00	3.00	to 5.00	4.00	to 6.00
<b>Snapdragon.....</b>	8.00	to 12.00	6.00	to 10.00	6.00	to 10.00	6.00	to 10.00
<b>Daffodils.....</b>	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00
<b>Gladioli.....</b>	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00
<b>Tulips.....</b>	4.00	to 6.00	2.00	to 4.00	2.00	to 3.00	3.00	to 5.00
<b>Hyacinths.....</b>	4.00	to 5.00	4.00	to 5.00	2.00	to 3.00	2.00	to 3.00
<b>Freesia.....</b>	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00
<b>Calendulas.....</b>	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00
<b>Lilac per bunch.....</b>	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
<b>Sweet Peas.....</b>	7.50	to 10.00	1.50	to 2.00	1.00	to 2.00	7.50	to 10.00
<b>Gardenias.....</b>	25.00	to 30.00	25.00	to 30.00	25.00	to 30.00	25.00	to 30.00
<b>Adiantum.....</b>	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
<b>Smilax.....</b>	12.00	to 15.00	12.00	to 15.00	12.00	to 15.00	12.00	to 15.00
<b>Asparagus Plu. &amp; Spreng.....</b>	25.00	to 50.00	25.00	to 50.00	25.00	to 50.00	25.00	to 50.00

by the wind-up there was a marked change. This favorable condition was caused not only by the milder weather but also by a good increase in supplies. This was particularly the case with roses. With the exception of American Beauty these are now more plentiful and of very good quality. Carnations were never better—splendid as to quality and there is a much firmer tone in recent quotations. The leaders at present are Pink Delight, Gloriosa, Matchless and Mrs. Ward. Sweet pea supply has dropped off a little; quality very fine and selling well. The cattleya market is rather bare, the principal subject being Trianae, helped out by a few Schroederiae and dendrobiums. Daffodils are in excellent form—some top-notch Emperor to be seen with large crisp well finished flowers showing excellent stamina and culture. Acacia is about over for the season. There are still a few camellias to be had. Plenty of lilies but lily of the valley rather scarce.

**PITTSBURGH** Flowers of all kinds are plentiful, excepting, of course,

American Beauty roses. Roses, carnations, lily of the valley, jonquils, tulips, sweet peas, mignonette and cattleyas all bring fair prices. Violets, however, have no price and have to be worked out as best one can, the florists using practically everything else. They probably will come into their own again, but present prospects indicate that it will not be for a long while to come.

There is more stock **ST. LOUIS** coming in than can be consumed and at prices not unreasonable. Stock is of extra good quality. Violets are in great supply and \$2 per 1000 is the lowest price. Roses are coming better each day. Carnations, too, are many. Bulb stock is also looking up and is coming in more than the demand calls for. Lily of the valley was scarce all week. Sweet peas are fine, but sell at greatly reduced prices.

Business last week **WASHINGTON** showed quite an improvement. The demand for American Beauty roses

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**ROSES AND CARNATIONS**

	Last Half of Week ending Feb. 26 1916		First Half of Week beginning Feb. 28 1916	
American Beauty, Special	35.00	to 40.00	35.00	to 40.00
" " Fancy and Extra	15.00	to 25.00	15.00	to 25.00
" " No. 1	5.00	to 15.00	5.00	to 12.00
Russell, Hadley	12.00	to 15.00	12.00	to 15.00
Killarney, Richmond, Hillingdon, Ward, Extra	1.00	to 8.00	6.00	to 8.00
" " Ordinary	1.00	to 6.00	4.00	to 6.00
Arenburg, Radiance, Taft, Key, Extra	7.00	to 10.00	6.00	to 8.00
" " Ordinary	5.00	to 10.00	3.00	to 6.00
Ophelia, Mock, Sunburst, Extra	7.00	to 10.00	8.00	to 10.00
" " Ordinary	5.00	to 8.00	4.00	to 8.00
Carnations, Fancy	1.00	to 2.00	1.00	to 2.00
" " Ordinary	.75	to 1.00	.75	to 1.00

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## Visitors' Register

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Chicago—John M. Lampert, Xenia, Ohio; M. J. Lindsay and A. L. Saxe, Minneapolis, Minn.; A. A. Suder, Toledo, O.

Philadelphia—C. Percy Bernard, Northbrook, Pa.; George Evenden, Williamsport, Pa.; John Heemskerck, rep. P. Van Duersen, Sassenheim, Holland.

Cincinnati—Joseph Hill and John Evans, Richmond, Ind.; Mrs. Buch, Washington C. H., O.; W. J. Cox, Chicago; Ed. J. Farncourt, rep. S. S. Pen-nock-Meehan Co., Phila.

Washington, D. C.—L. G. P. Hallers-berg, Lisse, Holland; Robert Shoch, Phila.; George Maunz, representing Reed & Keller, New York; Sidney H. Bayersdorfer, of H. Bayersdorfer & Co., Phila.; John Boekman, Phila.

Pittsburgh—John S. Hay, rep. Henry A. Dreer, Phila.; A. Colyn, Voorhout, Holland; Thomas Cogger, C. Keur & Sons, Hellegom, Holland; W. H. De Graff, Lisse, Holland; Julius Dilloff, New York; I. Bayersdorfer, of H. Bayersdorfer & Co., Phila.; C. O. Knickman, rep. McHutchison & Co., New York.

Boston—A. B. Barber, Cleveland, O.; Leonard Barron, Garden City, N. Y.; Ed. Flood, Philadelphia, Pa.; J. J. Karins, representing H. A. Dreer, Phila., Pa.; Simon Visveld, William Van Hengelwar, John B. Meskers, P. H. Preenan, William Bergman, D. Kon-ing and Henry Deleeuw, Holland bulb salesmen; C. W. Hoitt, Nashua, N. H.; A. E. Thatcher, Bar Harbor, Me.; Allan Jenkins, Shrewsbury, Mass.; Robert Scott, Pittsfield, Mass.; Thomas Page, Great Barrington, Mass.; Ed. Jenkins, George Foulsham, Alex. Mc-Connachie and Jesse H. Frampton, all of Lenox, Mass.; Paul Berkowitz, H. Bayersdorfer & Co., Phila.; H. C. Neubrand, Cromwell, Conn.

### NEWS NOTES.

San Francisco, Cal.—The Fairmont Floral Co., 141 Powell street, has been purchased by MacRorie, McLaren Co.

West Bend, Wis.—Harrison Ashman, of Appleton, has purchased the Kesting greenhouses, and will remove six of his greenhouses in Appleton to the new location.

A most interesting meeting of the Connecticut Horticultural Society was held on Friday evening, Feb. 25. Dr. W. E. Britton, State Entomologist, addressed the members on the "Life History and Habits of Some Kinds of Insects." There were many photographs taken from life and specimens had been secured showing how these insects get in their deadly work. Alfred Cebelius received cultural certificate for six pots of Boddington's Matchless Cineraria and eight pots of Boddington's Cactus Flowering Cineraria; N. Slocombe, a first-class certificate for Acacia pubescens, and H. R. Hurd, honorable mention for lemons. The meeting to be held on March 10 will be "Cineraria Night."

ALFRED DIXON, Sec'y.

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### NEW YORK QUOTATIONS PER 100. To Dealers Only

#### MISCELLANEOUS

	Last Half of Week ending Feb. 26 1916		First Half of Week beginning Feb. 28 1916	
<b>Cattleyas</b>	20.00	to 40.00	30.00	to 40.00
<b>Dendrobium formosum</b>	35.00	to 50.00	35.00	to 50.00
<b>Lilies, Longiflorum</b>	6.00	to 8.00	5.00	to 8.00
" <b>Rubrum</b>	7.00	to 8.00	7.00	to 8.00
<b>Callas</b>	12.00	to 16.00	12.00	to 16.00
<b>Lily of the Valley</b>	1.00	to 4.00	3.00	to 4.00
<b>Daisies</b>	2.00	to 3.00	2.00	to 3.00
<b>Violets</b>	.15	to .35	.15	to .35
<b>Mignonette</b>	2.00	to 6.00	2.00	to 6.00
<b>Snapdragon</b>	3.00	to 8.00	3.00	to 8.00
<b>Daffodils</b>	1.00	to 3.00	1.00	to 3.00
<b>Gladioli</b>	12.00	to 16.00	12.00	to 16.00
<b>Tulips</b>	2.00	to 3.00	2.00	to 3.00
<b>Hyacinths</b>	1.00	to 2.00	1.00	to 2.00
<b>Freesia</b>	2.00	to 3.00	2.00	to 3.00
<b>Calendulas</b>	2.00	to 4.00	2.00	to 4.00
<b>Lilac (per bunch)</b>	1.00	to 1.50	1.00	to 1.50
<b>Sweet Peas</b>	.50	to 1.50	.50	to 1.50
<b>Gardenias</b>	15.00	to 35.00	15.00	to 35.00
<b>Adiantum</b>	.50	to 1.00	.50	to 1.00
<b>Smilax</b>	8.00	to 12.00	8.00	to 12.00
<b>Asparagus Plumosus, &amp; Sorens</b> (100 bunches)	15.00	to 25.00	20.00	to 35.00

## Are You Dissatisfied?

I have an unlimited market for your flowers, any variety, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty-eight years in the Cut Flower Commission Business.

Write for information or call and talk it over.

Telephone 167 & 3058 Farragut **J. K. ALLEN** 118 West 28th Street NEW YORK

## HEADQUARTERS

### For High-Class Roses

Full line of BULBOUS STOCK, BOU-VARDIAN, SWEET PEAS and other Seasonable Flowers.

## J. J. COAN

115 WEST 28TH STREET, NEW YORK  
Tel., Farragut 5413-5891

CONSIGNMENTS SOLICITED

## HERMAN WEISS

### Wholesale Florist

Experienced, Progressive and can handle shipments of growers' product satisfactorily.

106 West 28th St., NEW YORK  
Tel. Farragut 3066.

## Flower Market Reports

(Continued from page 317)

was heavy. Carnations have been quite scarce and roses of all kinds also cleaned up well each day. Some days violets were so plentiful that they were unloaded on the fakirs for sale on the streets at low prices, while on other days it was a hard matter to get an adequate supply. Sweet peas are very good and meet with ready sale. Snapdragon is in fine demand for dinner decorations and for this same purpose large quantities of narcissus, freesia, daisies and other spring flowers find ready sale. Orchids are scarce and have advanced in price. Purple lilac has made its appearance. It is of good quality and is quite popular.

## GUTTMAN & RAYNOR, Inc.

A. J. GUTTMAN, President.

### Wholesale Florists

101 W. 28th St., NEW YORK

We have 20 years' experience behind us.  
Telephone, Farragut 2036-2037-558.

## D. C. Arnold & Co., Inc.

### Wholesale Florists

112 West 28th St., N. Y. CITY

Telephone, 2287 Farragut.  
Consignments Solicited

## UNITED CUT FLOWER CO., INC.

Flowers Sold on Commission  
Consignments of  
Good Stock Solicited

PERCY W. RICHTER, Mgr., NEW YORK

111 W. 28th Street

Established 1888

Tel. 551 Farragut

## GUNTHER BROS.

Wholesale Commission Florists

110 West 28th St., New York

We Solicit Consignments of New  
England Grown Novelties.

## RIEDEL & MEYER, Inc.

### Wholesale Commission

READY FOR BUSINESS

49 WEST 28th ST. NEW YORK.



**DECORATIVE PLANTS**

Robert Craig Co., Philadelphia, Pa.  
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Woodrow & Marketos, New York City.  
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Boblink & Atkins, Rutherford, N. J.  
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Thomas Roland, Nahant, Mass.  
High Grade Plants for Retail Florists.  
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A. M. Davenport, Watertown, Mass.  
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**FERNS**

H. H. Barrows & Son, Whitman, Mass.  
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A. M. Davenport, Watertown, Mass.  
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**FERTILIZERS**

Alphano Humus Co., New York City.  
The All-in-One Fertilizer.  
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Pulverized Manure Co., Chicago, Ill.  
Wizard Brand Cattle Manure.  
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G. Bayersdorfer & Co., Philadelphia, Pa.  
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Welch Bros. Co., Boston, Mass.  
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**FLOWER POTS**

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Benj. Hammond, Beacon, N. Y.  
Copper Solution.  
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Aphine Mfg. Co., Madison, N. J.  
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**GARDEN TOOLS**

B. G. Pratt Co., New York City.  
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**GERANIUMS**

R. Vincent, Jr. & Sons Co.  
White Marsh, Md.  
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3000 S. A. Nutt, R. C., \$10.00 per 1000;  
2000 S. A. Nutt, 3 in., \$40.00 per 1000; 3000  
S. A. Nutt, extra strong, \$50.00 per 1000.  
FRANK LEITH & SON, Haverhill, Mass.

**GLADIOLI**

Chas Millang, New York City.  
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John Lewis Childs, Flowerfield, L. I., N. Y.  
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A. Henderson & Co., Chicago, Ill.  
Forcing Gladioli.  
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**GLASS**

Sharp, Partridge & Co., Chicago.  
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Parahelsky Bros., Inc., Brooklyn, N. Y.  
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Greenhouse glass, lowest prices. JOHN-  
STON GLASS CO., Hartford City, Ind.

**GLAZING POINTS**

H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point  
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**GOLD FISH**

Gold fish, aquarium plants, snails, cas-  
tles, globes, aquarium, fish goods, nets,  
etc., wholesale. FRANKLIN BARRETT,  
Breeder, 4815 D St., Olney, Philadelphia,  
Pa. Large breeding pairs for sale. Send  
for price list.

**GREENHOUSE BUILDING MATERIAL**

King Construction Co., N. Tonawanda, N. Y.  
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Pecky Cypress.  
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Lord & Burnham Co., New York City.

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Metropolitan Material Co., New York City.  
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S. Jacobs & Sons, Brooklyn, N. Y.  
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Lord & Burnham Co., New York City.

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**GUTTERS**

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**HAIL INSURANCE**

Florists' Hail Asso. of America.  
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**HARDY FERNS AND GREEN GOODS**

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P. Ouwerkerk, Hoboken, N. J.  
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Palisades Nurseries, Sparkill, N. Y.  
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**HEATING APPARATUS**

Kroeschel Bros. Co., Chicago.  
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Lord & Burnham Co., New York City.

**HOT BED SASH**

Parahelsky Bros., Inc., Brooklyn, N. Y.  
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Standard hotbed sash, 1 1/2 in. thick, with  
crossbar, 80c. each; lots of 25 and over, 75c.  
each. Blind tenons; white leaded in joints.  
The life of a sash depends on this construction.  
We GUARANTEE our sash to be  
satisfactory or refund your money. Glass,  
6 x 8, 8 x 10, 10 x 12, or 10 x 14, \$1.50 per  
box of 50 sq. ft. C. N. ROBINSON & BRO.,  
Dept. 29, Baltimore, Md.

Foley Greenhouse Construction Co.,  
Chicago, Ill.

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A. T. Stearns Lumber Co., Neponset, Mass.  
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Lord & Burnham Co., New York City.

**HOSE**

H. A. Dreer, Philadelphia, Pa.

**HYACINTHS**

HYACINTHS, 3 colors, 4 in. pots, \$7.00  
per 100. PRIMROSES in bloom, 4, 5 and  
6 in. pots, 10c., 15c., 20c. PRIMROSE  
MALACOIDES, 4 in., in bloom, 15c. VIN-  
CAS, 3 in., 4c. FUCHSIAS, 2 in., 2c.  
BEGONIA CHATELAINE, 5 in., in bloom,  
25c. CYCLAMEN in bloom, 25c., 35c., 50c.,  
75c. ASPARAGUS PLUMOSUS, 4 in., 7c.  
AZALEAS for late forcing, 75c. GLADIO-  
LUS bulbs, \$10.00 per 1000. ROSENDAL  
GREENHOUSES, Schenectady, N. Y.

**INSECTICIDES**

Benjamin Hammond, Beacon, N. Y.  
Hammond's Slug Shot—Grape Dust.  
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Aphine.

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**LILY BULBS**

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Horticultural Importers and Exporters.  
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R. M. Ward & Co., New York, N. Y.  
Japanese Lily Bulbs of Superior Quality.  
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Joseph Breck & Sons Corp., Boston, Mass.  
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**LILY OF THE VALLEY PIPS**

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Special Offer.  
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**In writing to Advertisers kindly mention Horticulture**

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N. W.  
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NOW.**The Davey Tree Expert Co., Kent, Ohio.  
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YOU ABOUT CANNAS.**Conard & Jones Co., West Grove, Pa.  
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SANITARY SOIL BUILDER.**Alphano Humus Co., New York City.  
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GREENHOUSE FITTINGS.**Advances Co., Rochester, N. Y.  
For page see List of Advertisers.**WANTS, FOR SALE, ETC.**Advertisements in this column  
one cent a word. Initials count as  
as words. Cash with order. All  
correspondence addressed "Care  
HORTICULTURE" should be sent  
to 117 Summer St., Boston.**HELP WANTED****WANTED**—Man acquainted with the  
New England greenhouse trade to rep-  
resent a first-class paint house in that ter-  
ritory. Address V, care HORTICULTURE.**WANTED**—An experienced second man  
in greenhouses. No liquor. Must be mar-  
ried. H. B. GREEN, Florist, 175 Stevens  
St., Lowell, Mass.**WANTED**—Head Gardener, married man,  
Scotch or Swedish preferred, without fam-  
ily. Must have thorough experience in  
greenhouse and outside gardens. Perma-  
nent situation. Gardener's cottage provid-  
ed. Address in own writing to T. S. P.,  
Post Office Box 1723, Boston, Mass.**WANTED**—Experienced foreman for  
general landscape work, with knowledge of  
hardy trees, shrubbery and herbaceous ma-  
terial, road building, grading, etc. Good  
salary for right party. Address "R," care  
HORTICULTURE.**SITUATIONS WANTED****SITUATION WANTED** by Head Work-  
ing Gardener; English; on private estate;  
life's experience in all branches of Horti-  
culture; good references; married, no fam-  
ily. F., care HORTICULTURE.**SITUATION WANTED**—By grower and  
designer, 16 years' experience; good refer-  
ences as to character and ability. State  
particulars in first letter. C. S., care  
HORTICULTURE.**PRACTICAL NURSERYMAN** wants po-  
sition as Nursery Foreman or Outside  
Manager preferred; lifetime experience in  
all branches. Address C. K., care HORTI-  
CULTURE, 147 Summer St., Boston.**FOR SALE****FOR SALE**—Fresh from factory, new;  
10 x 12, 16 x 18, 16 x 24, double thick. A  
and B qualities. Market dropped. Now is  
the time to buy and save money.  
PARSHESKY BROS., INC., 215-217  
Havemeyer St., Brooklyn, N. Y.**MISCELLANEOUS****GREENHOUSES TO LET**, 30 x 100 and  
10 x 105 ft., suitable for Geraniums. MRS.  
PRISCILLA GRASSIE, 92 Bartlett Ave.,  
Waverley, Mass. Tel. Belmont 151-M**THE NUT-GROWER**The unique monthly publica-  
tion which furnishes reliable  
and interesting up-to-date in-  
formation regarding the value  
of pecans and other edible nuts  
and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

**THE NUT-GROWER**

No. 2 Francis St.

**WAYCROSS, GA.****In writing to Advertisers kindly mention Horticulture**



Within a distance of 50 miles of New York, this Alphano grown celery developed so rapidly that large market shipments were started the 20th of last June, when prices were away up. Full particulars on application.

## Cut Down Your Soil Enriching Costs

### Use Alphano

### The Oderless, Weed-Seedless

### Sanitary Soil Builder

### For Lawns, Vegetables, Flowers and Shrubs

This celery is over three feet from root tip to top. It was grown on an unproductive heavy clay soil which was given a three inch coat of Alphano and ploughed in. Name of place on application.



**A** LPHANO HUMUS is a complete balanced soil ration. Its base is a rich nitrogen soil humus, thoroughly composted, heavy with soil binding bacteria, and heavily reinforced with plant foods. The high prices of nitrogen, phosphorus and potash in chemical fertilizers this year, gives Alphano, which contains them all, a remarkable value for the money.

One ton is equal to several of average stable manure. It is a great absorber of moisture, fortifying roots against dry weather. We sell it to you in an odorless, dry, finely granulated form. Do not confuse it with the water logged, highly acid, raw humus sold under various names. It is acknowledged that we are the

only concern selling a concentrated, dry, prepared humus. Our ten years of proven success, and the sale of over half a million tons, are your guarantee for Alphano's sweeping merits.

#### INOCULATED

In addition to the natural bacteria Alphano contains in such numbers, we heavily inoculate it with our Alphano Inoculant, giving it teeming billions of all the essential nitrogen fixing and soil digesting bacteria, including the nodule bacteria of all the clovers, along with those for beans, peas, alfalfa and the like.

Alphano is the only genuine inoculated humus. We will sell you this Alphano Inoculant separately or with Alphano. Send for full particulars and prices.

#### FOR YOUR LAWN

For your lawn, Alphano is ideal. Being odorless, you can use it anytime. Being in granulated form, you can easily distribute it evenly and raking it in thoroughly, it quickly reaches the roots. Being rich in

usually liberated foods, it at once stimulates growth and continues to sustain it for a surprisingly long time. It absorbs five times its weight in moisture, protecting your grass against dry weather.

#### FOR YOUR GARDEN

So rich is Alphano in humus and plant foods that it will in one season, convert a compact, unproductive lumpy clay, into a fertile, open, friable soil, easy to work. Or it will bind together a light, loose sandy soil, and make it highly productive. For flowers and vegetables, it is equally resultful. Being sanitary and entirely free from the many dangerous infections carried by stable fertilizer, its health side argues strongly for it.

Our Alphano Book tells of four valuable garden uses.

#### FOR YOUR SHRUBS

Dig Alphano freely around your shrubs. Do it early so the blooms will be profuse and the first growth of Spring rapid and strong.

For Rhododendrons, Alphano makes a sure growing soil condition, the same as their native humus laden habitat. In planting them, mix the soil with a third Alphano. Every Spring, dig in a goodly mulch around the roots.

#### FOR TREE PLANTING

Make sure of a strong first season's growth of the trees you plant, by mixing the soil with 1% Alphano. Its foods are at once available to the roots. Its stimulating effect is a great assistance in overcoming the usual transplanting set-back.

Put a couple of shovelfuls around the top soil as a mulch. Results will over and over again reward the slight additional cost.

Buy at once, this wonderful Alphano, nature's balanced soil ration. Its cost is so little, you can afford to use it freely.



\$12 a ton in bags.  
\$10 a ton in bags by the car-  
load  
\$8 a ton in bulk by the car-  
load

Prices F. O. B. Alphano, N. J.

# Alphano Humus Co.

17-R Battery Place

New York City

GREENHOUSES BUILDING OR CON-  
TEMPLATED.

Lakeside, O.—Wm. Knight, one house.

Corfu, N. Y.—W. Preisach, house 35 x 200.

Christiana, Pa.—M. J. Brinton, Lord & Burnham house.

Parkersburg, W. Va.—J. W. Dudley & Son, 80 ft. addition.

Little Compton, R. I.—Peckham Bros., house 100 x 200.

Stevens Point, Wis.—W. E. Macklin, two houses in the summer.

Kennebunk, Me.—Paul I. Andrews, Storer street, range of houses.

Dayton, O.—Harry F. Tredway Floral Co., 513 Valley street, additions.

Alliance, Neb.—Alliance Greenhouses, E. W. Ray, proprietor, one house.

Wellsville, N. Y.—Sandy Flats Farm, Floral and Truck Gardens, range of houses.

Chicago, Ill.—John S. Witt & Son, 10,429 Wallace street, two houses each 20 x 126.

Cleveland, O.—Lorraine Avenue Greenhouses, five Moninger houses each 30 x 376.

Decatur, Ill.—Daut Bros., four houses each 36 x 300, American Greenhouse Mfg. Co. construction.

## PUBLICATIONS RECEIVED.

Farmers' Bulletins Nos. 705, 708 and 710 of the U. S. Department of Agriculture are devoted to the Catalpa Sphinx, The Leopard Moth and Bridge Grafting of Fruit Trees, respectively. All are illustrated and will be found very instructive.

Bulletin 361 of the College of Agriculture at Ithaca, N. Y., sent out by the Department of Landscape Art, is an exceedingly useful pamphlet of 144 pages. It is entitled "The Home Grounds." Part I, by E. G. Davis, covers the arrangement of the home grounds, with many diagrams of suggestive treatment, half-tone views, plans, etc., and some very instructive chapters on planting, grouping, etc. Part II, by R. W. Curtis, gives a list of trees, herbaceous shrubs, perennials and other materials suitable for the home grounds, with a lot of valuable technical and practical information followed by a splendid index of plants, giving cross reference, pronunciation and synonymy.

Our Early Wild Flowers, by Harriet L. Keeler. Illustrated by Mary Keffer; color plates by Eloise P. Luquer. A compact little volume which may be conveniently carried about and used by the nature student in country rambles. Its contents are comprehensive and authoritative, its descriptive notes are written with exactness, conciseness and sympathy, and in all respects it is admirably arranged to fill the purpose for which it was intended. The half-tone and color plates are excellent. The field covered lies between the Atlantic Coast and the Mississippi river and between parallels forty and fifty north latitude. Herbaceous flowers are considered only. The book is published by Charles Scribner's Sons, New York. Price \$1.00 in cloth and \$1.25 in leather, net; 252 pages, 7 color plates, 12 half-tones and 94 line drawings.

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The writer has been requested to furnish a list of the articles which the Jury endorsed by their action in awarding prizes because of merit. This request comes from representatives of foreign countries and states.

Respectfully yours,

Signed: J. A. BUCHANAN, Gen. Mgr.  
Pan-Pacific Press Association.

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November 3, 1915.

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Dear Sir: Replying to your letter of October 28th, I wish to say that the Jury awarded Slug Shot, Grape Dust and Copper Solution a Gold Medal.

Yours very truly,

Signed: G. A. DENNISON,  
Chief of Horticulture.

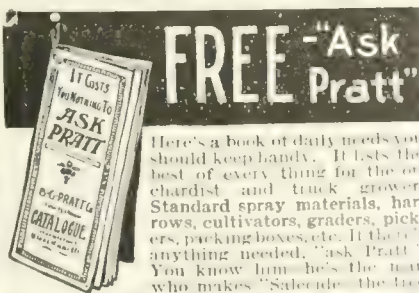
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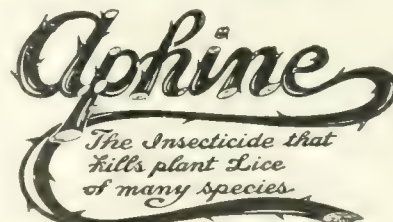
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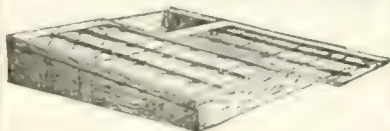
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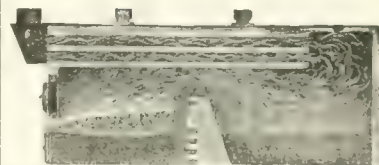
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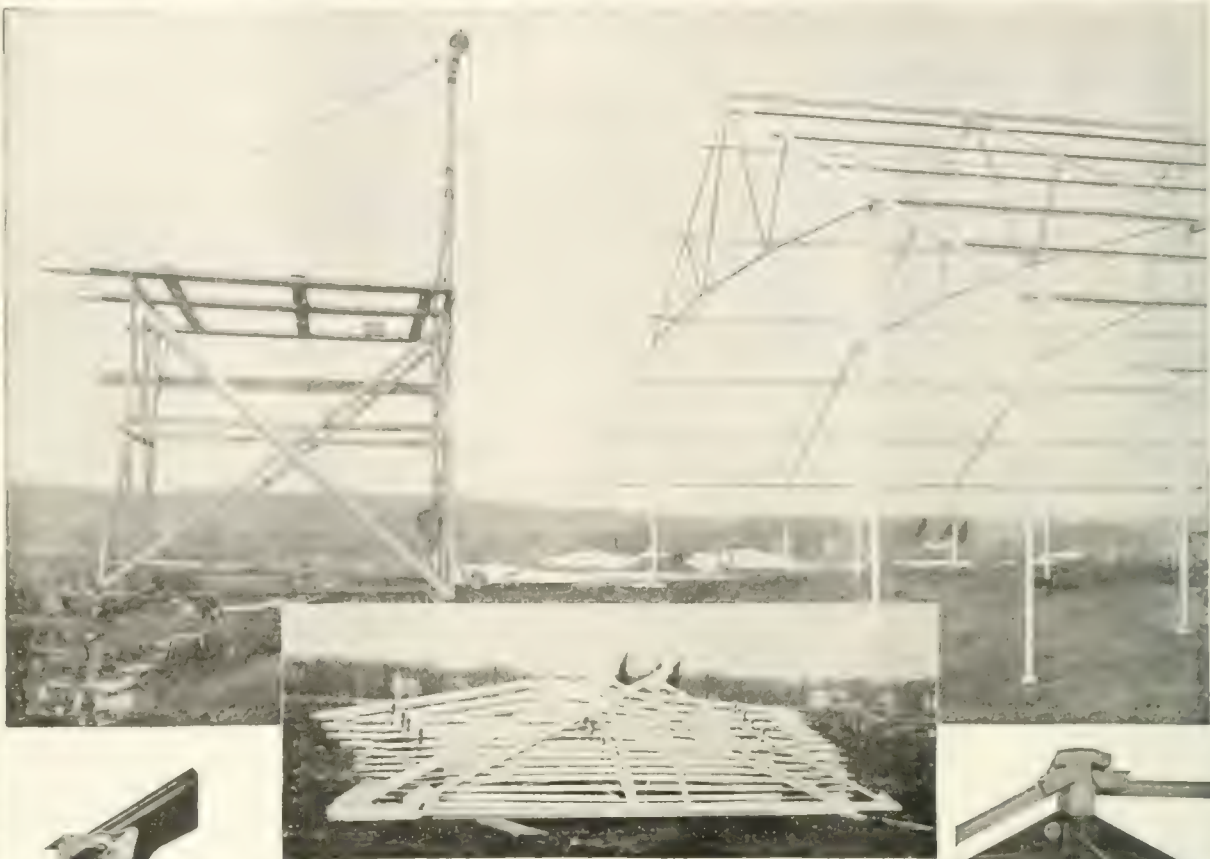
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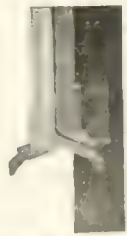
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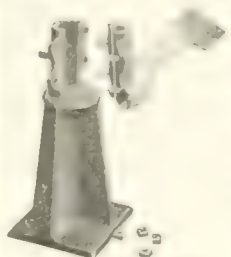
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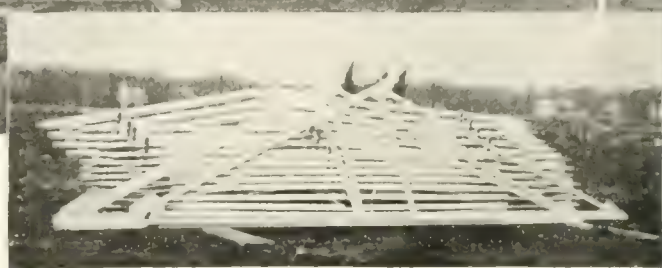
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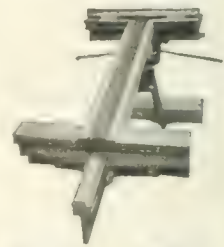
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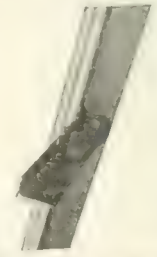
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SEE PAGES 352, 353, 354, 355**

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	Doz.	100	1000
2 1/4 in. pots, 4 leaves, 8 to 10 in. high	\$1.50	\$10.00	\$90.00
3 in. pots, 5 leaves, 10 to 12 in. high	2.00	15.00	140.00
4 in. pots, 5 leaves, 15 in. high	4.50	35.00	Each
5 in. pots, 6 to 7 leaves, 18 to 20 in. high			\$0.75
6 in. pots, 6 to 7 leaves, 24 in. high			1.00
6 in. pots, 6 to 7 leaves, 28 to 30 in. high			1.50
7 in. pots, 6 to 7 leaves, 30 to 36 in. high			2.50
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10 in. tubs, 4 plants in a tub, 5 ft. high	10.00
12 in. tubs, 4 plants in a tub, 5 1/2 to 6 ft. high	15.00
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15 in. tubs, 4 plants in a tub, 8 to 10 ft. high	35.00

## KENTIA Forsteriana

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Height	Doz.	100	1000
2 1/4 in. pots, 4 leaves, 8 to 12 in.	\$1.50	\$10.00	\$90.00
3 in. pots, 4 to 5 leaves, 12 to 15 in.	2.00	15.00	140.00
4 in. pots, 5 to 6 leaves, 15 to 18 in.	4.50	35.00	Each
5 in. pots, 5 to 6 leaves, 22 to 24 in.			\$0.75
6 in. pots, 6 leaves, 28 to 30 in.			1.00
6 in. pots, 6 leaves, 34 to 36 in.			1.50
7 in. pots, 6 to 7 leaves, 38 to 40 in.			2.00
7 in. tubs, 6 to 7 leaves, 40 to 42 in.			3.00
8 in. tubs, 6 to 7 leaves, 45 to 48 in.			4.00
8 in. tubs, 6 to 7 leaves, 4 ft.			5.00
10 in. tubs, 6 to 7 leaves, 4 1/2 to 5 ft.			6.00
11 in. tubs, 6 to 7 leaves, 5 to 5 1/2 ft.			8.00
10 in. tubs, 6 to 7 leaves, 5 1/2 to 6 ft.			10.00
12 in. tubs, 6 to 7 leaves, 6 1/2 to 7 ft.			15.00
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4 in. pots	6.00	50.00	Each
5 in. pots, 15 in. high, 18 in. spread			\$1.00
6 in. pots, 1 1/2 ft. high, 2 ft. spread			2.00
7 in. tubs, 1 1/2 to 2 ft. high, 2 ft. spread			2.50
8 in. tubs, 2 ft. high, 2 1/2 ft. spread			3.00
10 in. tubs, 2 to 2 1/2 ft. high, 2 1/2 ft. spread			5.00
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Blooms	Per 100
Xmas Erica Melanthera, White bell brown eye, 3 and 3 1/2 in. pots	\$15.00
Xmas Erica Regerminans, light lavender bell, 3 and 3 1/2 in. pots	15.00
Easter Erica Cupressina, shell pink bell, 3 and 3 1/2 in. pots	25.00
October Erica Gracilis Vernalis, dark pink bell, 3 and 3 1/2 in. pots	15.00
February Erica Cotonoides Veitchii, white, 3 1/2 in. pots	12.00
March Erica Persoluta Rosea, pink bell, 3 and 3 1/2 in. pots	15.00
Xmas Erica President Carnot, pink trumpet, 3 and 3 1/2 in. pots	20.00
Xmas Erica President Felix Faure, pink trumpet, 3 and 3 1/2 in. pots	20.00
Easter Erica Cylindrica, orange pink trumpet, 3 1/2 in. pots	15.00
Easter Erica Ventricosa Rosea, pink trumpet, 3 in. pots	20.00
Easter Erica Ventricosa Carminea, red trumpet, 3 in. pots	15.00

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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be gladly received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Pope*

## Achimenes

These are fine little plants. Place the tubers quite thickly in pans filled with good drainage material finished off with sand till three-quarters full. Cover the tubers with sand and keep moist but not too wet or the tubers will be ruined. In a temperature of 65 degrees young growth should appear in about three weeks and when the plants have grown an inch or two they should be potted, using 6 to 8 in either a 5 or 6-inch pan or pot. Give ample drainage and on this place some turfy material or sphagnum moss. Use a compost of two parts fibrous loam, two of leaf mold and one of sand. Set the plants an equal distance apart, and firm the soil around the roots. Achimenes while growing like a good supply of water. When flowering begins they will take liquid manure twice a week.

## Bedding Plants

Verbenas, salvias, marguerite carnations, snapdragons, petunias, lobelias, bedding begonias, celosias, hybrid impatiens, etc., should be started now. Of less importance, but also to be sown now if wanted in salable size at the right time, are dianthus, ageratum, canna, torrenia, nicotiana, centaurea and vincas. Sow thinly in seed trays or pans, in fresh porous soil of a kind as used for rooted cuttings. Firm well, water thoroughly, place over mild bottom heat and cover with boards or paper, soil covering only being used on the largekerneled kinds and then only in a very thin layer. Take off the paper for a short time every day and lift out those trays showing the first green of the germinating seeds, placing them where they can have light and air. When the seedlings are large enough they should be pricked off into other trays and fresh soil. Use great care in watering.

## Gardenias

In order to make a good start for next winter no time should be lost in starting a good batch of cuttings. Cuttings should have a bottom heat of 75 to 85 degrees with top heat 10 degrees lower. Keep the sand moist and warm and give them a spray every morning. Keep shaded and rather close until they are rooted. The propagation of gardenias is only successful where a somewhat high degree of heat combined with a rather close moist atmosphere can be steadily maintained. When their roots are about half an inch long pot them up. Good soil for these is one part leaf mold, one part

good soddy, one and the remainder sharp sand. Keep shaded until they will stand the sun, when they should be grown on the sunniest bench and in a temperature 65 to 70 degrees at night.

## Phalaenopsis

If there is any orchid that requires good care at all seasons it is the phalaenopsis. Phalaenopsis amabilis, Schilleriana and Rimestadtiana are good kinds to grow. As these orchids pass out of flower they are always better for a short rest. They should be kept comparatively dry but should not remain dry for any length of time as they have no pseudo bulbs in which to store up nourishment. When the compost assumes a slight crispness to the touch it is time to give them some water. The best time to overhaul these orchids is just before they send forth their new roots when they should be repotted or fresh material given. Where the compost is good it is not necessary to remove it all every year. Just pick out some of the old compost and renew with chopped live sphagnum and fern fibre in equal parts. They should be shaded from now until November. They grow very well in a night temperature of 62 to 68 degrees and from 70 to 75 by day.

## Sowing Fern Spores

In sowing spores it should be borne in mind that the most desirable commercial varieties will take from 10 to 12 months before they are fit to sell in pots. A great deal of what is known as damping off has its origin in a minute fungus. Where you do not have a better means the soil can be baked in the furnace or soaked with boiling water. This compost should consist of loam, leaf mold, peat and sand in equal parts. Fill the pans about one-third with crocks, larger ones in the bottom and those on the top finely broken and over this place a layer of moss, then fill to within an inch of the top with sterilized compost. The surface soil should be pressed down and made as smooth as possible. A good soaking of water should be given and allowed to drain off before sowing the spores.

## Propagating Stevia

Stevia will root in a moderately warm propagating bed if kept moist and shaded for a short time. When rooted pot into 2-inch pots and place in a temperature not over 50 degrees at night. Keep pinched back and they will grow into nice bushy plants. They can be planted out in May or grown under cover until put out through the summer.

Next Week: Chrysanthemums; Care of Seedlings; Fancy Leaved Caladiums; Tuberous Rooted Begonias; Odontoglossums; Starting Bulbous Stock.

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# HORTICULTURE

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MARCH 11, 1916

NO. 11

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### A "green" nuisance

It is sad that green dye for staining carnations for St. Patrick's Day is a scarce commodity this year. We are delighted and wish our friends in Germany would supply our need. But our sad fate comes about, not by choice, but by compulsion. Let this odious practice of staining carnations green and forcing them on the market be stopped as quickly as possible.

### A reasonable request

The communication to the Secretary of State at Washington which is mentioned in detail on another page of this issue, requesting some official action to expedite the delivery of foreign mail of immediate commercial importance is in our judgment a reasonable proposition. With proper oversight as suggested by the complainants it should not be difficult for the responsible authorities to arrange some practical way of putting through such mail matter as consular invoices, bills of lading, etc., on the steamer which carries the goods. We hope the result of the appeal may be prompt action and a favorable outcome.

### Don't miss the National Flower Show

As the time for the opening of the great National Flower Show draws near the tremendous amount of efficient labor put into the preparatory work becomes evident and the vastness of the enterprise as developed and moulded by the men at the helm begins to be realized. All indications point to an unprecedented horticultural triumph, a splendid demonstration of Philadelphia's bigness as a horticultural centre and the rapidly advancing position of our profession in the esteem of the public. Every one of our readers who can possibly do so should visit this splendid exposition and acquire uplift and inspiration.

### An opportune time

There are some busy times ahead for HORTICULTURE. Special Spring Trade Number will be issued on March 25 and this will be followed by National Flower Show Issue on April 1. Then will come the annual Easter edition. All of these issues will be full of interest for the trade in all departments and all sections of the country. They will be business getters for all who are enterprising enough to take advantage of the publicity opportunities afforded in the advertising pages. HORTICULTURE readers are distinctly of the most ready and most to be desired class of buyers. You can get your share of their patronage on spring trade if you wish and will tell them about what you have to offer.

### The catalogue postage bill

The catalogue postage bill to which we called attention in our issue of last week has the approval of the seed trade generally so far as we have been able to ascertain. The bill is commented upon by some as being loosely drawn and somewhat ambiguous but no doubt these defects will be smoothed out by the experts of the post office department. As it appears in its present shape the average man will have some difficulty in fully comprehending its import. As we suggested in our previous note, it is important to know whether the adoption of the bill will affect in any way the operation of the parcel post system to which some catalogue houses have, at considerable expense, adjusted their business. Dealers issuing catalogues approximating one pound in weight will no doubt want to retain their parcel post privileges in the first zone, at least, and if, as we assume, the new bill contemplates the continuation of this privilege so that a catalogue firm may choose between it and the new method according as to which would be most advantageous to them, then the bill should find no objectors among those who are most directly affected. As things now are, the houses issuing small catalogues are heavily penalized and a reform such as is proposed would save them considerable money and, by its elasticity, in a way encourage the making of better catalogues.

# ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur Ruzicka*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

## Repotting

Do not allow the young potted plants to become pot-bound. This applies especially to the young Beauties, but all varieties will suffer more or less if they are allowed to become pot-bound. It is best to keep the young plants on the move all the time, giving them a size larger pot as soon as they need it. Usually we pot from the two-and-a-quarter inch pots direct into the fours, unless we are pressed for room and then we pot into three's, and if the plants are not to be planted soon they are shifted into larger pots later when they need it. The soil that is used for this second potting can be much richer than the soil used at first. Much more manure can be added but this should be well decayed and run through a fine screen before mixing it with the soil. Where the manure was composted with the soil, the soil will be in much better shape, as the liquids from the manure will have penetrated and made it much better for the plants. A little more bone can be added than was added to the soil for the first potting. A little soot is nice too but the amount should be very small, not more than a four-inch pot full to a wheelbarrow load of soil. See that the pots are well crocked, especially if the plants are to remain in the pots for any length of time. A little fine cinders makes cheap crocks although clean broken pot or charcoal is better. The latter is ideal but costs money, unless it can be made out of branches from trees and such waste found around greenhouses as a rule. When potting see that plenty of soil is put in so that there will be no empty spaces around the ball of the plant. Press the soil in gently but firmly, and see that the pots are filled up about the same all through the batch. Leave the surface roughened up a bit so that it will not cake and thus prevent water and air from entering. It is also best to pot a little deeper. Unless the plants are very short, we like to drop them almost to the bottom of the pots so that there will be no danger of the old ball sticking out of the soil and keeping the plant dry nearly all the time. Plants that are potted deep will also do much better when they are planted in the benches than those that are potted so high that they get knocked from side to side when they are syringed. When knocking the plants out of the smaller pots for repotting, make it a point to clean them well. Remove all the green scum that may have formed on top and also all yellow or diseased leaves. When setting the newly potted plants on the bench remember to put the smaller plants to the front or south side and the taller ones to the north or rear. They will do much better this way, as they will have equal chance. Any poor plants that will never be much should be thrown out. Small healthy plants should be cleaned and set to one side, until they grow big enough for re-potting.

## Hauling Away Old Greenhouse Soil

It is not possible every winter to haul away old soil but in this winter, with plenty of snow to keep the frost out, it has been possible, and growers should take advantage of the weather while the ground in the fields is still frozen and the teamsters not very busy. We have been able to get teams a dollar a day cheaper in the winter. If manure is to be bought by the car, it is well to do so now while the roads are still good, as later they will likely be soft and the teams will be forced to take only half loads, besides cutting the whole field up with the wagon wheels. It is as well to spread the soil evenly over the fields. To do the thing right the field should be laid off in strips and numbered, so that it will be an easy matter to rotate crops and fertilize the field to the best advantage, thus putting the grower in a position where he knows pretty nearly what to look for in his soil.

## Drainage

Right now in the winter when the thaws come and a large volume of water is set free is the best time to mark out any new ditches that may be necessary to keep the water away from the greenhouses. There is always danger of the water flooding the cellars and putting the fires out, especially on places where there are no cellar drains. Even on level Long Island we have seen a time when heavy rains and melting snows filled the greenhouse cellars so full that the fires went out and the houses were only saved from freezing by oil stoves and burning tobacco stems. If possible stake out places that have to have trenches, or else make sure where they are to go and let the boys make them next summer after the houses are filled. Even if it is necessary to get extra men, a few dollars expended this way will usually bring great returns by saving trouble and annoyance.

## Save the Ashes

Although coal ashes are nearly worthless as plant food, still if they are screened and properly spread on the field the soil will be much better off for it. There always are spots where the soil is wet and soggy or bakes very hard, or it may be too sandy and open. A little coal ashes applied to these spots and worked into the soil will have a wonderful effect. They must be spread evenly, not too thickly, and screened through a fairly fine screen. The cinders can usually be sold or used in concrete and will more than pay for the labor of screening. A good way is to make a long screen and have a runway to it from the cellar, and as the ashes are wheeled out they can be dumped on the screen and as they roll down they will screen themselves thus making it an easy matter to separate the cinders from the fine ashes. Never apply the ashes to the field as they come from the cellar, for they will make a nuisance of themselves for years to come.

Saxifraga. I.\*

An attempt to describe the whole genus Saxifraga in a single chapter would be rather like trying to cover a beautiful garden in only the most cursory remarks. In this matter it would become necessary to go into descriptive details at a length far beyond available space limits. I therefore confine myself today to the rosette forms distinguished by their long rosulate leaves cartilaginously serrated at the edges. Indigenous in the mountainous districts of the temperate and arctic zones they represent an extremely choice and effective material for the rock garden. In a soil well mixed with limestone, plantations established in large crevices or in specially prepared rock pockets are a delight for any real plant lover. It is of advantage to give saxifragas a slanting position allowing the water of melting snow and of rain quickly to run off of the plants. According to their constitution with the rosette class of saxifragas they do best in open sunny situations throughout our northern states. Fully exposed to the hot mid-day and early afternoon sun of our middle Atlantic summers the most species suffer more or less. Keeping this in mind and, if necessary, guarding against danger, will no doubt bring success. And, indeed, the beauty of a few clumps of saxifragas nestling amid rugged rockwork, especially when in full bloom amply repays us for our cultural efforts. I remember a few years ago while in the northern part of the New England states a happy owner of a small rockery proudly pointed out to me a few plantations of *Saxifraga Cytledon pyramidalis* and *S. McNabiana* as pretty acquisitions of his garden. We certainly have not enough of such proud and happy home owners in America.

The species *Saxifraga Cotyledon pyramidalis*, the subject of our illustration, as the best known is in my opinion one of the showiest and most resistant one. Trade catalogues of late drop the middle name *Cotyledon*, listing simply *pyramidalis*. Forming rosettes of from 5 to 6 inches in diameter its light graceful flower spikes appear during May and June. The color appears to be white. At close examination, however, we discover attractive fine reddish-brown pencilings at the inner base of the petals. *Saxifraga McNabiana*, not quite as robust growing as the former, flowers pure white. *Saxifraga Aizoon* widely distributed in European rock gardens is a denizen of the Alps and other mountainous dis-



SANTERAGA COYLLDON PYRAMIDALIS

fruits of the northern temperate zone. Firms abroad specializing in Alpine plants carry white, yellow and rose-pink forms of it in their trade lists. I firmly believe the Aizoon varieties well adapted to our north and worth a trial in rockeries of the middle states particularly on inclines toward the north. Among the rarities in the rosette forms I mention *Saxifraga cartilaginea*, *Gaudini* and *longiflora*. Taking regard to proper exposure all the species and varieties will prove satisfactory and highly effective subjects for dry-wall planting.

For winter protection a few evergreen boughs make an ideal material. Plantations in rock gardens will survive well under thin leaf covering. At all events avoid manure as a cover for this class of saxifragas. Propagation is by offsets or by raising plants from seed. The latter process, of course, is slow and requires patience.

Richard Rothe

Ch. 1, p. 10, l. 1

\* II and III to follow

## GROWING CARNATIONS.

1914 HORTICULTURE Editor Mrs.  
1601 N. W. Ave., Seattle, Wash.  
Dear Sir: I have been very busy through-  
out the year, but I am glad to report that  
my plants are doing well. I have had the help of  
a carnation growing in order to produce  
first rate blooms? I bought from a nur-  
seryman field-grown plants July 20, 1915,  
and bunched in good rotted sod 3 parts,  
1 part rotted manure. Grew along steady  
until September 15, gave watering of weak horse  
manure, and Oct. 15 a slight soot dressing.  
Have about twelve shoots to each plant.  
Some of them are now showing buds  
of blooms at Christmas, poor quality but no  
doubt better than those which would be  
produced by the same treatment in January.  
Try to maintain 55° at night  
but during the day 48°. I  
can't afford a night man. Varieties are  
Enchantress Supreme, White Wonder,  
Champion, Dagmar, Matchless. The latter  
has scarcely shown a bloom yet, but  
all are very green and healthy. Kindly  
show me where I am at fault. Any ad-  
vice will be most cordially received. I  
have achieved great success as a green-  
house grower with roses through reading HORTI-  
CULTURE persistently for the past four

Thanking you in anticipation, E. D.  
Cooperstown, N. Y.

There is little wrong in the treatment of your plants as outlined by you. They were planted in good time and the proportion of soil and manure is all right. Without knowing more about the texture and general nature of the soil it is impossible to say if it is suitable for carnation growing although it can hardly be far wrong or you would not have done so well with roses. Generally speaking, a soil which will grow one of these well will grow the other.

You have not over fed, as you started with a well-balanced compost and the feed additions should have maintained a sufficient supply. With the varieties you grow some of them would have given split calyxes had they been overfed.

A night temperature of 55 degrees is too high for carnations. The average variety does better with a 50-52

degree temperature; and 46 to 48 is too low. These two extremes might cause serious results. Cut your high mark down to 52 and don't allow the temperature to go below 48 if it is at all possible. If you house any amount of plants the extra expense will be repaid.

It may be that Matchless does not take to your soil. On the average this variety is very satisfactory, but here and there a good grower will be found who cannot make it average up at all.

What has been said thus far can hardly be of much help and without a closer study of your soil and your method of treatment little more can be said. As a suggestion, visit your neighbor florists and learn, by observation, what their methods are as regards watering. Find out if you are running your soil too wet or too dry. The average florist is pleased to receive a visit from his brothers in the trade and to exchange ideas. Try it and you will be helped in some way every time you visit.

## CLUBS AND SOCIETIES

### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

#### Department of Plant Registration.

Public notice is hereby given that the Bedford Flower Company, Bedford Hills, N. Y., offers for registration the Rose mentioned below. Any person objecting to the use of the proposed name or registration is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

**Description:** A pink sport of Double White Killarney. Has the same habit of growth and is equal in production. Same foliage. Color is light pink, becoming deeper to the center as it opens. Flower is long and opens in perfect form.

**Name:** Bedford Belle.

#### National Flower Show.

The Final Schedule of Premiums covering the classes for competitions at the National Flower Show, Philadelphia, March 25th to April 2nd, have been distributed, and all contemplating making entries are urged to place them in the hands of the Secretary at once. The closing date for entries is March 20th, and entries after that date must be accompanied with a fee of \$2.00, and will only be received subject to acceptance by the National Flower Show Committee.

Practically all of the space set apart for trade exhibits has been reserved, excepting a few blocks on the main floor extension, which will, doubtless, be taken up within a few days.

Exhibits, or exhibition material should be forwarded wherever possible by Pennsylvania R. R. connection to North Philadelphia Station, which is two blocks from Convention Hall, where the show is to be held. Arrangements have been made whereby all shipments arriving at that station will be hauled to Convention Hall at the rate of 15c. per 100 lbs., and all shipments arriving at other stations will be hauled at the rate of 20c. per 100 lbs. Packages should be marked "Oberholtzer Transfer." Shipments by Adams Express should be marked "North Philadelphia Station," which is a depot of the Express Company.

The show will open at 2 P. M. on March 25th and the opening ceremony will take place at 3 P. M.

Anyone requiring a copy of the Final Schedule can obtain same on application to the Secretary.

#### Directors' Meeting.

By direction of President Daniel MacRorie, a meeting of the Board of Directors of this Society has been called, to take place at the Hotel Walton, Philadelphia, on Tuesday, March 28th, at 2.00 P. M., to continue until all business to come before the Board is completed.

## Meetings Next Week

#### Monday, March 13.

Cleveland Florists' Club, Hollenden Hotel, Cleveland, Ohio.  
Gardeners' and Florists' Club of Baltimore, Florist Exchange Hall.  
New York Florists' Club, Grand Opera House, New York City.  
Rochester Florists' Association, 95 Main St., East Rochester, N. Y.

#### Tuesday, March 14.

Florists' and Gardeners' Club of Holyoke and Northampton, Mass.  
Newport Horticultural Society, Newport, R. I.

#### Wednesday, March 15.

Rhode Island Horticultural Society, Public Library, Providence, R. I.

Horticultural Society of New York, American Museum of Natural History, New York City.

Dutchess County Horticultural Society, Poughkeepsie, N. Y.

#### Thursday, March 16.

Essex County Florists' Club, Kreuger-Auditorium, Newark, N. J.

New Orleans Horticultural Society, Association of Commerce Bldg., New Orleans, La.

North Westchester County Horticultural Society, Mt. Kisco, N. Y.

Tacoma Florists' Association, Macabee Hall, Tacoma, Wash.

#### Friday, March 17.

North Shore Horticultural Society, Manchester, Mass.

#### Saturday, March 18.

Dobbs Ferry Gardeners' Association, Dobbs Ferry, N. Y.

#### COMING EXHIBITIONS.

March 17, 18, 19, Boston.—Spring Exhibition Massachusetts Horticultural Society, Horticultural Hall.

March 25-April 2, Philadelphia.—Fourth National Flower Show of the Society of American Florists, Convention Hall, Broad Street and Allegheny Avenue.

April 5-12, New York.—International Flower Show of the Horticultural Society of New York and the New York Florists' Club, Grand Central Palace, Forty-sixth Street and Lexington Avenue, New York.

May 10, 14, Boston.—May Show Massachusetts Horticultural Society, Horticultural Hall.

#### National Flower Show Tickets.

Members of the Society in good standing visiting the National Flower Show in Philadelphia will be furnished with a Season Ticket of admission, upon arrival at Convention Hall.

It will facilitate the work of the secretary's Office, and prevent confusion and delay upon your arrival at the Exhibition Hall, if you will remit your 1916 assessment at this time. The 1916 badge button will be sent you by return mail.

The Proceedings of the Society for 1915, a volume comprising 364 pages, has been mailed to all members of the Society.

JOHN YOUNG, Sec'y.

53 West 28th Street,  
New York, N. Y.

### AMERICAN CARNATION SOCIETY.

The Carnation Exhibition at the National Flower Show in Philadelphia, March 25 to April 2, will be known as the Silver Jubilee Exhibition. A special silver medal has been struck for the occasion and will be awarded to each winner of one or more first premiums in the competitive classes. These medals will be given in addition to the regular cash prizes. Another feature at this exhibition will be the class for the largest twelve blooms. The Kroeschell gold medal, valued at \$50, will be offered in this class and should bring out an extraordinary display.

The regular A. C. S. judges will officiate, except in the retailers' section, which will be judged by W. J. Palmer, of Buffalo, W. L. Rock, of Kansas City, and F. C. W. Brown, of Cleveland. The regular judges are C. W. Johnson, Morgan Park, Ill.; Wm. Nicholson, Framingham, Mass.; R. Witterstaetter, Cincinnati, O.; E. Dailledouze, Brooklyn, N. Y.; E. A. Stroud, Strafford, Pa.; W. J. Palmer, Buffalo, N. Y.

All entries for the carnation exhibit must be in the hands of the secretary not later than March 20. A \$2 fine will be assessed against each entry arriving after that date. Prospective exhibitors will confer a great favor on the clerical force by sending in their entries at the earliest possible moment. There is an immense amount of detail work in connection with an exhibition of this size and nothing should be left that can be done early.

All members of the A. C. S. who have paid their dues for 1916 will be entitled to a season pass to the show. Certificates are being mailed to those whose dues are paid, which will be exchanged at the show for these passes. Please send in your dues at once and a certificate will be mailed to you.

A. F. J. BAUR, Sec'y.

#### GARDENERS' ESSAY CONTEST.

Chairman William H. Waite, of the Committee on Essays and Horticultural Instruction, of the National Association of Gardeners, has appointed Edwin Jenkins, Lenox, Mass.; William Downs, Chestnut Hill, Mass.; Arthur Smith, Reading, Pa.; William J. Stewart, Boston, Mass., and J. Harrison Dick, New York, N. Y., judges of the gardeners' essay contest. The report of the judges will be made public at the National Flower Show in Philadelphia on March 28th.

President W. N. Craig offers twenty-five dollars as a first prize, fifteen dollars as a second prize and ten dollars as a third prize in a new contest, for assistant gardeners, on any subject pertaining to horticulture, limited to twenty-five hundred words. The contest will close on November 1st and the winner will be announced at the annual convention of the Association in December. The essay committee will issue the rules regulating this contest shortly.



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### FLORISTS' CLUB OF PHILADELPHIA.

The special feature of the regular monthly meeting of this club held on the 7th inst was an address on "Winter Flowering Sweet Pea; its history and development," by Howard M. Earl. This address was quite a revelation to many. It will appear in full in a future issue. Many fine exhibits of sweet peas were made. Among these may be mentioned C. B. Newbold, C. S. Loeffler, Lititz, Pa.; D. H. Green, Brownsboro, Md.; Gude Bros., Washington, D. C.; Fred Carey, Kennett Square, Pa.; Yeatman & Way, Kennett Square; A. Harvey & Sons, Brandywine Summit, Pa., and John Curwen, Berwyn, Pa.

In addition there were some fine roses, carnations and other flowers of exceptional merit, including exhibits by Pittsburgh Cut Flower Co., rose Prince de Bulgarie; Cottage Gardens Co., Cottage Maid carnations; Gude Bros., roses Red Radiance, J. L. Mock, and a seedling rose, a very fine flower, and John Curwen, *Primula malacoides*.

About fifty new members were proposed showing that the ninety-day probation is doing good work. There was a good deal of political and religious matter discussed contrary to the constitution and by-laws of the club.

### HOLYOKE AND NORTHAMPTON FLORISTS' AND GARDENERS' CLUB.

At the monthly meeting of this club, March 7th, at the greenhouses of Gallivan Bros., Smith's Ferry, Mass., James Whiting read the paper "Is Gardening a Profession?" and K. B. Ullman presented a paper on "Advertising" which provoked a good discussion and brought the retailers out of their shells. Exhibits made a fine showing. Mr. Schwartz, in charge of the greenhouses, had arranged a bank of *Murillo* tulips, a group of *ericas*, *azaleas* and ferns, and a crimson form of *Primula obconica*. G. H. Sinclair & Son showed *Primula vulgaris*, and vases of carnations and other flowers. F. D. Keyes & Son showed carnations. H.

E. Downer, *Dendrobium nobile*, *Bauera rubioides*, hyacinths, *schizanthus* and tulips. Congratulations were in order to G. H. Sinclair, that day appointed a Park Commissioner for the city of Holyoke.

### NEW BEDFORD HORTICULTURAL SOCIETY.

The annual banquet of the New Bedford Horticultural Society was held Feb. 29, with a good attendance. At the regular March meeting, held Monday evening, the 6th, the paper on "Use of Native Plants for Ornamental Planting," sent out by the National Association of Gardeners, was read. It was decided to hold, as usual, four free shows this season—peony, rose, dahlia and chrysanthemum. The campaign for new members is progressing well, a considerable number having been already added. As soon as spring opens, an earnest effort in this line will be made and will undoubtedly be successful, as the society stands high in public favor, due to the very successful conduct of its shows for the last few years.

L. J. HATHAWAY, JR., President.

### ST. LOUIS CLUB AND SOCIETY NOTES.

At the next meeting of the Retail Florists' Association, March 20, at Mission Inn garden, a banquet will be given to which the heads of the five wholesale houses will be invited. The entertainment will be something out of the ordinary and they expect the entire membership to be present on this occasion.

The officers of the St. Louis Florists' Club spent a pleasant evening on March 2 at the home of Secretary Beneke. An interesting program was laid out for the club meeting this week. These monthly meetings of the officers have been very beneficial to the club and the attendance has increased greatly as something new is always presented in that way. During the evening refreshments were served.

### THE HORTICULTURAL SOCIETY OF NEW YORK.

The success of the exhibitions for January and February have influenced the society to hold an exhibition in March, contrary to its usual custom. This exhibition will occur on Wednesday, March 15th, at the American Museum of Natural History, 77th street and Central Park West. Premiums are offered for collections of cut blooms of orchids, for both commercial and non-commercial growers, and also for roses and carnations for both classes of growers. For non-commercial growers only, premiums are offered for sweet peas, snapdragons, narcissus, tulips and lilies. The exhibition committee is also authorized to award prizes for plants or flowers of unusual merit or excellence of cultivation.

Schedules are now ready, and will be sent on application to the secretary, George V. Nash, New York Botanical Garden, Bronx Park, N. Y. City.

GEORGE V. NASH, Sec'y.

### ILLINOIS STATE FLORISTS' ASSOCIATION.

This organization is assembled at Moline, Ill., this week (March 7 and 8) in its eleventh annual convention and exhibition. Details of the meeting we hope to record in our next issue. We have on hand the address of President C. W. Johnson, which gives an interesting account of the progress of the past year; also a valuable paper on fertilizers for roses by Prof. Muncie. Both of these papers will appear in a later issue.

### LADIES' S. A. F.

"On account of the Secretary's inability to attend the National Flower Show, to be held in Philadelphia, March 25 to April 2, the President has authorized Mrs. Albert M. Herr to receive dues and give receipts for the same.

MRS. GEO. W. SMITH, Sec'y.  
9419 Lake Avenue,  
Cleveland, Ohio.

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## SEED TRADE

### Canners' Bulldozing.

Several weeks ago we called attention to a new form of contract which the Wisconsin canners had adopted, and were trying to impose on the pea and bean growers. This contract contained several objectionable features, such as forbidding the "blending" of seed, meaning that each farmer's crop was to be kept separate during the process of threshing, milling, screening and handpicking, and each lot of seed was to bear the name of the farmer who grew it and just where it was grown. Just how all this was to benefit the canner, neither they nor anyone else has yet explained, but it would simply compel the seed grower to disclose the name of the farmer who grew the seed and his location. It is needless to point out that this is a confidential matter with every seed grower, and that under no conceivable conditions could such information be of any practical value to the canner.

In addition to the aforementioned clause was another telling the seed grower on what basis to plant in order to fulfil his contracts. In fact, the seed grower was not consulted at all, the canners having decided in their infinite wisdom that they would name the terms and conditions under which the seed grower was to transact his business.

### Tearing Down the Fences.

The feature most objectionable to the seed grower, however, was the elimination of the non-warranty clause, or as it is generally known the "disclaimer," as adopted by the American Seed Trade Association. This matter came to a head in December last during the meeting of the Wisconsin Canners' Association at Milwaukee. When the matter was presented to the seed growers, nearly all of the principal growers being represented, a meeting was called to discuss the matter, and it was unanimously agreed that the proposed contract was so objectionable that it could not be accepted by the growers. It was evident, however, that there were a number of weak sisters who had not the moral courage to oppose the other growers at the moment, but who were only waiting for an excuse to disregard the sentiment expressed at the meeting referred to, and accept the canners' contract. The first break was made by one of the very smallest of growers located in the West, who heard voices

and saw ghosts booking contracts for seed peas from the canners, and being unable to resist the temptation, surrendered and began writing contracts on the canners' blanks. At the time of the National Canners' Convention at Louisville this man was the only one who had broken what was in effect an agreement not to accept the canners' contract. Nearly all of the growers represented at the Convention exchanged views on this subject and all signified their purpose to stand fast on the understanding reached at Milwaukee. Within a week or ten days following the Convention two of these growers, torn by conflicting emotions, were no longer able to resist the lure of the canners' contract and capitulated. They had the grace, however, to notify their competitors of their intention, and it was not long before the conservative members of the American Seed Trade Association, realizing that this would mean the practical nullification of the disclaimer, decided that prompt and radical action was necessary to avert this disaster. Accordingly a meeting was called for Chicago for the 2nd instant, to consider what steps should be taken to avert the threatened trouble.

### Danger Ahead.

It must be apparent to any thoughtful person that once the disclaimer was eliminated, it could not be confined to Wisconsin, but that not only the canner customers of the seed growers, but the seedsmen themselves would demand that the growers of peas and beans should write the same style of contract for them. In time the growers of every variety of seeds would have to surrender to the same demand, and thus the seed trade would be bereft of its only protection against careless or dishonest customers. If this situation did not appear to those who violated the fundamental principle of the American Seed Trade Association, they must have been lacking in ordinary discernment. We have not learned, as yet, what action was taken at the meeting in Chicago, but may possibly acquire the information in time for the next issue of Horticulture.

If so, we shall be pleased to give the information to our readers.

### The Rennie Company's Disaster.

The recent fire which destroyed or seriously damaged the warehouse and seed stocks of the William Rennie Company of Toronto, Canada, seems to have wrought quite as severe damage as originally estimated. We understand that many stocks which it was thought were only slightly damaged have proved to be quite useless. This old reliable house has risen to the occasion with remarkable fortitude and energy, and while their losses may temporarily cripple them, they will probably emerge without any very great or permanent damage in the end.

### Trade Conditions.

Notwithstanding the most inhospitable of weather, nearly all branches of the Seed Trade report good business, with excellent prospects. In fact, the trade is quite optimistic as compared with the feeling that existed earlier in the season. To be sure many have suffered great disappointment and much inconvenience by failure to secure stocks from Europe which they had confidently believed they would get, and this has undoubtedly meant some loss to many in the trade. However, it is surprising how the seed trade can adjust itself to new conditions, and most of the leading members have devised substitutions which will probably carry them through the season without great loss and with fair satisfaction to their customers.

Although yet comparatively early, offers of beans are beginning to appear where none could be bought for love or money not many weeks since. There seems always something hidden away in the old socks which can be brought forth in emergencies. However, it is well to remark that most of the beans being offered are of the Green Pod variety. Not many offers of Wax beans have been noted, and these very few offers are confined to one or two varieties.

There has been a very active de-

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**SHRUBS**  
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Maltus & Ware, custom house brokers and forwarding agents of New York City, have addressed an open letter to the Secretary of State at Washington, calling attention to the great delay and embarrassment caused by the taking off and detention of important foreign mail by the British authorities at Falmouth, Eng., and elsewhere. Special instances are mentioned, among them the steamers New Amsterdam, Osterdyk and Noorderdyk from Rotterdam, which arrived in New York with many hundreds of cases of living plants for florists and nurserymen in this country which required prompt reforwarding on arrival, but all the invoices, bills of lading and other documents necessary for their proper disposition were missing. Messrs. Maltus & Ware suggested that the Secretary take up this matter with the British authorities with a view to setting aside on all mail vessels a portion of the mail to be known as Consignees Letters, containing bills of lading, consular invoices, waybills, and letters giving instructions for the disposition of perishable stock upon arrival, these letters to be placed in envelopes by the various forwarding agents in Rotterdam and other seaports in the presence of the British consul at that port and to be given in charge of the purser or other officer on board the vessel carrying the goods, for immediate inspection by the British authorities and allowed to accompany the property to destination.

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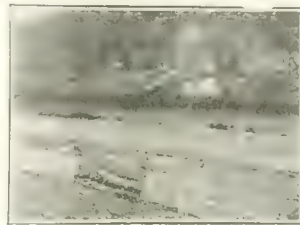
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2225 Bond Street.

San Francisco, Cal.—N. E. Lincoln,  
1604 Divisadero Street.

Providence, R. I.—Miss King, Flower  
Department, The Quinet.

Michigan City, Ind.—Kintzele Flower  
Store, 906 Franklin Street.

Richmond Hill, N. Y.—August Mil-  
lang, 1558 Jamaica Avenue.

Kalamazoo, Mich.—Jackson Bros.,  
Academy of Music Building, succeeding  
Fisher Floral Shop.

Chicago—A. Andrijanskis & J. S.  
Shemiot, 659 West 18th St., to be  
known as the 18th Street Florist. Mr.  
Holy has opened a retail store at 1311  
W. 18th St.

**BUSINESS TROUBLES.**

Boston, Mass.—Max Fine, florist;  
liabilities, \$1,665; no assets.

Brooklyn, N. Y.—James Dusmanes,  
360 De Kalb Avenue, dealer in plants  
and flowers; assets, \$166; liabilities,  
\$2,648.88.

Stamford, Ct.—The Stamford Seed  
& Nursery Co., have filed a petition in  
bankruptcy; assets, \$10,965.55; liabili-  
ties, \$12,143.80.

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## VISITORS' REGISTER.

Pittsburgh, Pa.—Ed. Flood, Phila., Pa.

Rutland, Vt.—J. Wilkinson Elliott, Pittsburgh, Pa.

Boston—Maurice L. Glass, of H. M. Robinson Co., New York.

Philadelphia—George Kluges, Atlantic City, N. J.; Mrs. Yeager, Allentown, Pa.; John Young, New York

New York—W. C. Langbridge, Cambridge, N. Y.; A. E. Kunderd, Goshen, Ind.; Harry Bayersdorfer, Phila., Pa.; F. P. Putnam, Tewksbury, Mass.

Washington, D. C.—E. A. Seidewitz, Baltimore, Md.; S. Nusbaum, Clarksburg, W. Va.; I. Rosnosky, rep. H. F. Michell Co., Phila.; Joseph J. Goudy, rep. H. A. Dreer, Phila. Pa.; W. F. Therkildson, of W. A. Burpee & Co., Phila., Pa.; E. C. Dungan, of the Maule Company, Phila., Pa.

Chicago—A. Martina, Lake Geneva, Wis.; W. H. Hummel, Milwaukee, Wis.; R. T. Brown, Queens, N. Y.; Thos. Heaven, Benton Harbor, Mich.; A. L. Saxe, Minneapolis, Minn.; A. E. Turner, of Rosin & Turner, Mosinee, Wis.; M. J. Lindsay, Minneapolis, Minn.; F. H. Henry, of Henry & Lee, New York City.

## DURING RECESS.

Essex County (N. J.) Florists' Club.

On the evening of February 17 the latch string was out at the Krueger Auditorium in Newark and all comers, ladies included, were welcome. There was a fine banquet, vocal and instrumental music and good speaking. Among those who spoke were the president, Charles Hornecker, W. F. Sheridan, Edward Jacobi, Charles Schenck, J. A. Rassbach, John Crossley, A. F. Faulkner, J. Austin Shaw, Joseph Manda, E. W. Fengar and Jacob Hauck. It was a very successful affair.

## Boston Bowling Scores.

Carbone ....1332	vs.	B. F. C. & C. ....1228
M. & M. ....1341	"	Flower EX. ....1334
Flower M. ....1352	"	Zinn ....1341
Galvin ....1355	"	Robinson ....1188

## Standing as to Points.

Galvin ....50-26	Flower EX. ....35-41
Flower M. ....44-32	B. F. C. & C. ....32-44
Carbone ....14-32	Robinson ....29-47
Zinn ....13-33	M. & M. ....27-49

## N. Y. Florists' Bowling Club Scores for Thursday, March 2.

J. Manda ....173-156	P. Jacobson ....158-153
J. Feinrich ....147-161	J. Miesem ....155-167
Ph. Kessler ....152-149	H. C. Riedel ....206-166
W. Siebrecht ....150-146	

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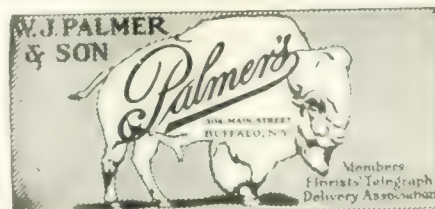
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## NEWS ITEMS FROM EVERYWHERE

### CHICAGO.

W. E. Thompson has moved from his home at 1115 West Madison street to 1115 West Western Springs, Ill.

The condition of John Endus shows no improvement and at the same time he is very sick with pneumonia.

Sam'l Rabinowitz, formerly buyer for Poehlmann Bros. Co., instead of handling flowers, is now in the flour business, on the road in the interest of a relative.

Openings of spring styles at Marshall Field's and Stevens Bro.'s, called for the use of many hundreds of decorative plants in their suit sections. It was a matter of surprise and questionable as to its artistic fitness, when these palms were adorned with sprays of roses (artificial) and live ficus held rhododendrons on their long branches.

Mardi Gras called for a large number of flowers and the New Orleans shipments covered the week end. There was a good demand for stock and the orders helped make doubly brisk an already good business Saturday, Sunday and Monday. Notwithstanding this, the volume of business done with the old city is said to be much less than in former years.

The A. Henderson Co. has the retail part of its store nearly completed, the finishing touches being put on this week. The first retail catalog issued by this firm is now ready for mailing. Mr. Henderson, president of the company, is a man of judgment and his policy is the conservative and safe order. This adds a fourth firm doing a wholesale and retail seed business in the down-town district.

Several of the local growers have installed the Humphrey Heaters for warming the water used in the greenhouses. Great care has been taken to give no opportunity for gas to escape into the houses, but the matter is still in the experimental stage. Aside from the advantages to the plants in using warm water instead of cold, the saving in the loss of temperature in the house is a big item. The results are being watched with interest. The heaters are carefully encased when occupying a portion of the greenhouse.

### WASHINGTON, D. C.

William F. Gude and George W. Hess last week accompanied W. F. Therkildson and E. C. Dungan on a visit to members of Congress and officials of the Post Office Dept. with a view to securing more equitable rates with respect to the mailing of price lists, catalogues and similar matter. Mention of this proposed legislation was made in our issue of last week.

The office of the Foreign Trade Adviser of the State Department has been notified by the British Embassy of the issuance of a permit by the British Foreign Office for the release from Rotterdam and the uninterrupted shipment to the United States of a quantity of florists' supplies of Ger-

man production to the value of 2,850 marks for A. L. Randall & Co., Chicago.

A great deal of enthusiasm is being manifested by the Washington florists over the coming flower show at Philadelphia. Harry B. Lewis, chairman of the committee on transportation, has arranged for a special train to leave over the B. & O. R. R. at 10 A. M., Monday, March 27. Washington is also to be represented by its bowling team, which sends forth a challenge to all other strictly florists' club teams, and it is hoped that a match will be arranged for them. George C. Shaffer is looking after this and associated with him are George H. Cooke, Edward Niedomanski, Samuel Simmons, Captain William H. Ernest, George C. Dalgleish, Robert F. McLennan and Harry B. Lewis. Fred H. Kramer is to be in charge of the entertainment on the train.

### PITTSBURGH.

Albert F. Vick, formerly manager of Buffalo, has joined the force of the Pittsburgh Cut Flower Co.

Edward Earl Ludwig, who is a senior in the Agricultural College at Cornell, visited his parents this week. Young Mr. Ludwig is a short stop on the first baseball team of Cornell.

Owing to the avalanche of semi-formal entertainments and weddings, which are invariably crowded in just preceding Lent, and several "pretty good funerals" (as a wholesale dispenser put it), the week has been one of favor in floral trade circles. With the exception of American Beauties, there has been plenty of stock for all.

An interesting feature of the March session of the Florists' Club of Pittsburgh last Tuesday evening was the presentation of a substantial testimonial to the retiring president, Neil McCallum. Congratulations galore were showered on William A. Clarke, treasurer of the Pittsburgh Cut Flower Company, on Friday, March 3, the day celebrating the fortieth anniversary of his entree into the floricultural world. Mr. Clarke, who was then a mere fad, made his "debut" on March 3, 1876, with the B. A. Elliott Company, which, as he expressed it, "covered the broad field of seeds, flowers, plants, trees, shrubbery, gold fish, rabbits, guinea pigs and monkeys." He is one of the most popular men in the trade.

**Cincinnati**—Roy Rudolph has taken charge of the business of his father, the late Max Rudolph. Roy has had several years' experience while associated with his father in the business and should be very successful.

Mr. and Mrs. Robert Kelley returned from their trip to Florida last Friday.

### NEW YORK.

John Edgar Hoover, formerly G. E. M. Stumpp, who has been for thirty years an employee of the Stumpp establishment, has gone over to the wholesale business as salesman for P. J. Smith.

The general committee on the New York International Flower Show met on Monday of this week and had a very harmonious and highly elated session. The interest taken in this event is well shown by the fact that sixteen out of the membership of twenty were present at the meeting, although a violent storm was in progress.

Reed & Keller suffered a considerable loss from fire which broke out in their basket department at 120 West 25th street on Sunday, March 5. Fortunately the place was fully insured. The wire work department and general offices are going on as usual and commendable enterprise was displayed in the securing of temporary work-rooms with complete outfit for carrying on business within twenty-four hours after the conflagration.

Next Monday night the Florists' Club meeting—Rose Night. Exhibits of novelty roses are expected, and also many novelties in carnations that were not sent to the last meeting owing to the very severe weather. The question of inviting the S. A. F. to hold their 1917 Convention in New York will also be considered at this meeting. Chairman Thos. Boothe de Forest will make a report of the annual dinner committee. It is rumored that the Hotel Biltmore has been selected for this important event.

The Flower Show Committee are holding weekly meetings and are congratulating themselves upon the very satisfactory conditions in regard to the exhibition. All available space in the trade section has practically been taken up. There are more exhibitors in the trade section than there were a year ago, and there is a promise of many more large exhibits in the competitive section. Manager Arthur Herrington reports that the private gardeners in all sections of the country are only waiting the receipt of the final schedule so that they may send in their entries. Already many spaces have been reserved for the large groups and displays, and it is expected that this exhibition will be better than any of its predecessors. There is an active demand for trade tickets, the price of which has been placed at \$20.00 per 100; in blocks of less than 100, 25 cents each. No orders received for less than 25.

The Dutchess County Horticultural Society meets on the second Wednesday, in Poughkeepsie, N. Y., in the Fallkill Building, corner Main and Washington streets.

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A NEW LINE OF

## Baskets, Plant Receptacles and Other Up-to-Date Goods

Get Them  
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Quaint and Shamrocky Novelties for St. Patrick's Day

Get Them  
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Superior in quality and design to anything ever imported. Also more for your money. These goods are **new, original and profitable**. Many of them we handle exclusively; of the rest we handle more than any other supply house in this country.

*Send for Our Silent Salesman*

**THE FLORISTS' SUPPLY HOUSE OF AMERICA**

**H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.**

### PHILADELPHIA.

The Robert Craig Company has disposed of a lot of land, 214 x 250 ft at the corner of 49th and Chestnut streets. The price paid is said to have been \$50,000. The location will be used for a high school for Catholic boys.

William Kleinheinz was a recent visitor in the Long Island section of New York for the purpose of interesting large growers in the forthcoming Fourth National Flower Show. As everyone knows, "Big Bill" is a hustler and when he starts out to do anything, he does it well, and the result of his hard work as chairman of the Committee on Exhibits has already begun to be seen.

A concert and dance will be given under the auspices of The Florists' Club at Horticultural Hall, Saturday evening, March 11th, at 8 P. M. The musical clubs of the William Penn Charter School have arranged to give their best selections for which they have become noted and a treat is in store for the members and their friends. Admission by card only, which can be obtained free by applying to the secretary, David Rust, at Horticultural Hall.

### BOSTON.

Simon Goldwult, who formerly worked for Mann Bros. of Randolph, Mass., and returned to Holland to go into the bulb business, has come back to this country for good and is now employed at the Hanover Greenhouses.

The death of Harry Berman from pneumonia on Monday, March 6, is mentioned in our obituary column. The deceased was a cripple and well-known amongst the florists. He has for the past ten years sold flowers around town, in office buildings, etc., and will be missed by a great number of friends in the flower market.

The funeral of Albert Roper took place on Sunday, March 5, at 2 o'clock. It was private and the following named gentlemen acted as honorary pallbearers: Louis Small and Louis Smith, of Tewksbury; S. J. Goddard, Wm. Nicholson and Wm. R. Nicholson, of Framingham, and Peter Fisher of Ellis, all life long friends of the deceased.

### OUT OF THE GINGER JAR.

Tom Roberts and other distinguished readers of *HORTICULTURE* have been complaining. No Ginger Jar lately. The reason is not far to seek. The editor is afraid to print what is sent him from that source. By the time he gets through blue penciling there is nothing left. It is rumored that he is to be out of town next week, so perhaps a little sample will seep through. It is made short on the Sam Weller principle on the writing of love letters—making it brief so she'd wish there was more.

Dennis T. Connor, of Lord & Burnham Co., was confined to his bed for a week with a bad cold, but is around again all right. We are all glad. But Dennis has a grievance. Nobody made a fuss about it. Nobody seemed to know anything about it. Too bad about Dennis. Maybe he would like to be the Kaiser. If that gentleman has a sair wyme all the world holds its breath. However, we all know that it's only Denny's humorous Irish way of getting the joke on his friends. So that's all right.

We sympathize with our friend Samuel S. Pennock these days. What with articles for the Rose Annual, the presidential speech, and many other strenuous doings in intellectual composition, he has to sit up mornings to get there! Anyone can sit up nights and write things, but it takes a stern and ascetic philosopher to do them mornings. And then there's the Widener Building Annex. That is the worst of all. It takes afternoons away from business. The stray left on the doorstep without our knowledge or consent has to be fed just the same.

In looking over a rose list I was struck by the fact that Cornelia Cook was introduced as far back as 1855. Here it is 1916 and only about a year ago we got Francis Scott Key. Sixty years raising new roses—and good ones at that—is a record to be proud of. The American Rose Society should send John Cook a souvenir of its distinguished consideration.

We make strong claims about being neutral. But isn't there reason to doubt it when we stand for such a

monstrosity as to the green carnation? They say they are working hard to popularize this in New York, Ireland and Berlin these days. However, there is not much need to worry. Unless Germany comes across by March 17 with a cargo of green aniline dye the divine flower will flourish in all its natural colors and all its original spicy fragrance.

One concern out West advertises the abomination at twenty-five cents a package. An Eastern house that wants a dollar a package says "nothing to it. Ours is the real green. Theirs is only greenery-yallery." So you see there's emulation and competition even in skulduggery.

GEORGE C. WATSON.

### A HOUSE OF CYCLAMENS.

Our cover illustration shows a house filled mainly with cyclamen plants of more than ordinary merit. The greenhouses at Dixmont Hospital for the Insane at Dixmont, Pa., where the photograph was taken comprise about 10,000 sq. ft. of glass and are under the charge of Carl Becherer, whose name has appeared not infrequently in our columns as a grower of much ability. It may be stated, in passing, that Mr. Becherer has no assistance in his work other than from patients in the institution.

### CLUB AND SOCIETY NOTES.

The Cincinnati Florists' Society's next meeting will be held at Hotel Gibson on Monday, March 13th.

T. D. Hatfield, of Wellesley, Mass., read an interesting paper on plant propagation at Horticultural Hall, Boston, on Saturday, March 4.

The North Shore Horticultural Society held its regular meeting in Manchester, Mass., in February. Martin Eyberse was awarded a certificate of merit for a collection of carnations. It was voted to appropriate \$50 for prizes in connection with the school gardens and to appoint a committee to instruct the children and carry on the work. It was voted to authorize the committee to have plans drawn for the proposed new Horticultural Hall and submit the same to the Society for approval. The essay on The Young Gardener's Opportunity in America was read by the Secretary.

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White and Lavender  
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## WELCH BROS. CO. Wholesale Cut Flower Market

Daily consignments from leading growers Full line of Florists' Supplies Write for quotations before ordering elsewhere

226 DEVONSHIRE ST., BOSTON, MASS.  
Telephone, Main 6267-6268

## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON March 9		ST. LOUIS March 9		PHILA. March 9	
<b>Roses</b>						
Am. Beauty, Special	40.00	to 60.00	25.00	to 40.00	60.00	to 75.00
" " Fancy and Extra	25.00	to 35.00	20.00	to 30.00	20.00	to 30.00
" " No. 1	15.00	to 20.00	5.00	to 10.00	6.00	to 15.00
Russell, Hadley	4.00	to 12.00	10.00	to 15.00	6.00	to 20.00
Killarney, Richmond, Hillingdon, Ward, Extra	6.00	to 8.00	6.00	to 8.00	10.00	to 12.00
" " Ordinary	3.00	to 4.00	5.00	to 6.00	4.00	to 8.00
Arenburg, Radiance, Taft, Key, Extra	4.00	to 8.00	6.00	to 8.00	8.00	to 12.00
" " Ordinary	3.00	to 4.00	5.00	to 6.00	4.00	to 6.00
Ophelia, Mock, Sunburst, Extra	6.00	to 12.00	8.00	to 10.00	8.00	to 12.00
" " Ordinary	4.00	to 8.00	5.00	to 6.00	4.00	to 6.00
Carnations, Fancy	8.00	to 3.00	2.00	to 3.00	3.00	to 4.00
" " Ordinary	1.50	to 2.00	1.00	to 1.50	8.00	to 3.00
Cattleyas	30.00	to 50.00	50.00	to 60.00	25.00	to 50.00
Dendrobium formosum		to 40.00		to 40.00		to 40.00
Lilac, Longiflorum	10.00	to 12.00	10.00	to 12.00	10.00	to 12.00
" " Rubrum	4.00	to 8.00	4.00	to 6.00	4.00	to 6.00
Callas	10.00	to 12.00	10.00	to 12.00	8.00	to 10.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	2.00	to 5.00
Delices	1.50	to 3.00	1.00	to 2.00	1.00	to 2.00
Violets	.25	to .50	.20	to .35	.30	to .50
Mignonette	2.00	to 6.00	3.00	to 4.00	2.00	to 5.00
Snapdragons	4.00	to 6.00	3.00	to 4.00	4.00	to 10.00
Daffodils	2.00	to 3.00	3.00	to 4.00	2.00	to 4.00
Gladioli	10.00	to 16.00		to 10.00		to 10.00
Tulips	10.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Hyacinths	2.00	to 3.00	3.00	to 4.00		to 4.00
Freesia	2.00	to 3.00	4.00	to 5.00	1.00	to 5.00
Calendulas	2.00	to 3.00	3.00	to 4.00	2.00	to 4.00
Lilac per bunch		to 1.00		to .50		to 1.00
Sweet Peas	.50	to 1.50	.50	to 2.00	.40	to 2.00
Geraniums	20.00	to 35.00		to 4.00		to 20.00
Adiantum		to 1.00	1.00	to 1.25		to 1.00
Smilax	15.00	to 16.00	10.00	to 15.00	15.00	to 20.00
Asparagus Plumosus, & Spreng. (100 Bchs)	25.00	to 35.00	20.00	to 35.00	25.00	to 50.00

## WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - - BUFFALO, N. Y.

## J.A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and  
CARNATIONS  
A Specialty

WHOLESALE  
GROWER of

CUT FLOWERS



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Wholesale Commission Florist  
Choice Cut Flowers

New Address, 143 West 28th St., NEW YORK  
Telephones: 7200, 7201, Madison Square.

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Wholesale Commission Florists

55 and 57 West 26th Street

Telephone No. 758  
Madison Square

**New York**

**WM. P. FORD**

Wholesale Florist

107 W. 28th Street, NEW YORK

Telephone 5335, Farragut.

Call and inspect the Best Establishment  
in the Wholesale Flower District.

**GEO. C. SIEBRECHT**

WHOLESALE FLORIST

109 WEST 28th ST

CONSIGNMENTS SOLICITED

PHONE 608 MADISON SQ., NEW YORK  
609

**JOHN YOUNG & CO.**

WHOLESALE FLORISTS

53 WEST 28th STREET NEW YORK CITY

Consignments Solicited

Phone 7362 Madison Square

**THE KERVAN COMPANY**

Ferns, Mosses, Wild Smilax, Galax,  
Lusciothoe, Palmetto, Cyran, both fresh  
cut and prepared.

Laurel, Hemlock, all Decorative Evergreens.  
Tel. 1593 119 W. 28 St., New York  
5833

**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y

**M. C. FORD**

121 West 28th St., NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.  
Telephone 3470 Farragut.

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WHOLESALE FLORIST

24 Stone St., Rochester, N. Y.

Regular Shipments Wanted of

**Pansies and Violets**

I have a good market for them.

**B. S. SLINN, JR.**

55 and 57 West 26th St. NEW YORK

**P. J. SMITH**

WHOLESALE COMMISSION FLORIST SELLING AGENT FOR  
LARGEST GROWERS

A Full Line of Choice Cut Flower Stock for all purposes

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3089

**ALBANY CUT FLOWER EXCHANGE**

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WHOLESALE ONLY

SAVE TIME AND MONEY BY SENDING YOUR ORDER TO US

Prices Right. Consignments Solicited. Telephone Connection

HEADQUARTERS FOR NOVELTIES

**ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS

GARDENIAS, DAISIES, ROSES, CARNATIONS

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FARRAGUT 759

Centrally Located, The Hub of the Flower Market Section

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Telephone 7062 Madison

**BADGLEY & BISHOP, Inc.**

WHOLESALE FLORISTS, 34 West 28th St., New York

Telephones 1604 } Madison Square  
1605

CONSIGNMENTS SOLICITED

**NEW YORK QUOTATIONS PER 100. To Dealers Only****ROSES AND CARNATIONS**

	Last Half of Week ending Mar. 4 1916		First Half of Week beginning Mar. 6 1916	
American Beauty, Special	35.00	to 40.00	35.00	to 50.00
" " Fancy and Extra	15.00	to 25.00	15.00	to 25.00
" " No. 1	5.00	to 12.00	5.00	to 12.00
Russell, Hadley	12.00	to 40.00	12.00	to 40.00
Killarney, Richmond, Hillingdon, Ward, Extra	6.00	to 8.00	6.00	to 8.00
" " Ordinary	4.00	to 6.00	4.00	to 6.00
Arenburg, Radiance, Taft, Key, Extra	8.00	to 10.00	6.00	to 8.00
" " Ordinary	4.00	to 6.00	3.00	to 6.00
Ophelia, Mock, Sunburst, Extra	8.00	to 15.00	8.00	to 10.00
" " Ordinary	4.00	to 6.00	3.00	to 8.00
Carnations, Fancy	1.50	to 2.00	1.50	to 2.00
" " Ordinary	.75	to 1.00	.75	to 1.00

**WALTER F. SHERIDAN**

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**CHOICE CUT FLOWERS**

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Telephone—5532-5533 Madison Square

Frank H. Traendly

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**TRAENDLY & SCHENCK**

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Telephones: 797-798-799 Farragut

Consignments Solicited

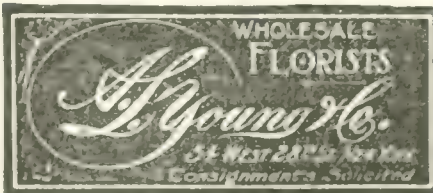
**WALTER R. SIEBRECHT CO.**

Incorporated

Wholesale Commission Florists

Orchids, Gardenias and Many Unusual  
Flowers of Quality.

114 West 28th Street  
NEW YORK

**HENRY M. ROBINSON CO. OF NEW YORK**

WHOLESALE FLORISTS

55-57 West 26th Street

Telephones, 13—8510 Madison Square

MAURICE L. GLASS, Treasurer

Consignments Solicited

## Flower Market Reports

(Continued from page 312)

in. American Beauties are a little off as to quality, and the long-stem grades are scarce—a reversal of recent conditions when there were to be had but long stems. Carnations are very good and selling well. In fact we seldom see the market in just such healthy condition. By Saturday night there was not a bunch left over in any of the wholesale houses. The demand for cattleyas has improved a little and prices are firmer. Snapdragon is scarce. Lily of the valley is moving off a little better. Sweet peas are very plentiful except in the fancy grades. There is a lull in daffodil shipments; Golden Spur, Victoria, Trumpets, and other early sorts are about over, and the big fellows like Emperor, Horsfieldi, etc., are not yet in full crop.

The market was in ST. LOUIS fairly good condition until the bad weather came on March 1 which made things rather dull for the retailers. At the wholesale market stock of all kinds is quite plentiful and prices rather high considering the amount coming in daily. Sweet peas are in heavy supply and violets overload the market. Roses are normal. Carnations are up in price and are not over stocked. Bulb stock is plentiful and prices are about as usual. Greens have had quite a heavy demand and anything in this line sold well.

WASHINGTON The flower market with the commencement of the present week became stagnant, due to the approach of Lent. Growers and wholesalers expect a continuation of this condition for a week or ten days, but this period will have been long enough to break prices. Carnations continue scarce and these have been snapped up as soon as offered. Roses are becoming more plentiful and the quality is generally good. American Beauty roses are in larger supply and fine demand. Local orchids are completely off the market and the stock from other cities now being received meets with a very good sale at fair prices. There has been a scarcity of daffodils. The growers are better pleased with results this year with narcissus. Heretofore this flower has been grown in such profusion that there would be thousands of these go begging and the price would be hammered down so low that some of the growers discontinued the production of the flower entirely. The sales this season have averaged about \$3 per hundred, a price which guarantees a fair return to the producer. A car strike, involving both of the local companies, which lasted two days and which practically demoralized the street car service, had a bad effect on general business, the florists suffering to some slight extent with other lines.

### PERSONAL.

Fred Michell, Sr., of Philade'phia, with his wife and daughter, sailed March 1st on a trip to Bermuda.

Axel Sorensen, manager of the Han-over Greenhouses, Rockland, has resigned his position and removed to Marlboro, Mass.

## PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

TELEPHONE MAIN 2698

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains

STORE OPEN FOR BUSINESS AT 6 A. M.

## NEW YORK QUOTATIONS PER 100. To Dealers Only

### MISCELLANEOUS

		Last Half of Week ending Mar. 4 1916		First Half of Week beginning Mar. 6 1916
Cattleyas	20.00 to 40.00	30.00 to 40.00	Lilies, Longiflorum	35.00 to 40.00
Dendrobium formosum	35.00 to 40.00	35.00 to 40.00	Lilies, Longiflorum	6.00 to 8.00
Lilies, Longiflorum	6.00 to 8.00	4.00 to 8.00	Rubrum	2.00 to 6.00
Lilies, Rubrum	2.00 to 6.00	2.00 to 6.00	Callas	12.00 to 15.00
Callas	12.00 to 15.00	12.00 to 16.00	Lily of the Valley	3.00 to 4.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	Daisies	2.00 to 3.00
Daisies	2.00 to 3.00	2.00 to 3.00	Violets	.25 to .50
Violets	.25 to .50	.25 to .50	Mignonette	2.00 to 6.00
Mignonette	2.00 to 6.00	2.00 to 6.00	Snapdragon	3.00 to 8.00
Snapdragon	3.00 to 8.00	3.00 to 8.00	Daffodils	1.00 to 1.50
Daffodils	1.00 to 1.50	1.00 to 1.50	Gladioli	12.00 to 15.00
Gladioli	12.00 to 15.00	12.00 to 16.00	Tulips	2.00 to 3.00
Tulips	2.00 to 3.00	1.00 to 3.00	Hyacinths	1.00 to 2.00
Hyacinths	1.00 to 2.00	1.00 to 2.00	Freesia	2.00 to 3.00
Freesia	2.00 to 3.00	2.00 to 3.00	Calendulas	2.00 to 4.00
Calendulas	2.00 to 4.00	2.00 to 4.00	Lilac per bunch	1.00 to 1.50
Lilac per bunch	1.00 to 1.50	1.00 to 1.50	Sweet Peas	.50 to 1.50
Sweet Peas	.50 to 1.50	.50 to 1.50	Gardenias	15.00 to 35.00
Gardenias	15.00 to 35.00	15.00 to 35.00	Adiantum	.50 to 1.00
Adiantum	.50 to 1.00	.50 to 1.00	Smilax	8.00 to 12.00
Smilax	8.00 to 12.00	8.00 to 12.00	Asparagus Plumosus, & Spreng (100 bunches)	15.00 to 25.00
Asparagus Plumosus, & Spreng (100 bunches)	15.00 to 25.00	20.00 to 35.00		

## Are You Dissatisfied?

I have an unlimited market for your flowers, any variety, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty-eight years in the Cut Flower Commission Business.

Write for information or call and talk it over.

Telephone  
167 & 3058 Farragut

**J. K. ALLEN**

118 West 28th Street  
NEW YORK

## SHAMROCKS

1 in. pots, \$3.00 per 100; 2 in., \$4.00 per 100;  
Pipes, \$5.00 per 100.

### ALL THE ROSES

Full Line of Bulb Flowers

## J. J. COAN

115 WEST 28TH STREET, NEW YORK  
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A House of Progress

## HERMAN WEISS

Wholesale Florist

Experienced, Progressive and can handle  
shipments of growers' product  
satisfactorily.

106 West 28th St., NEW YORK  
Tel. Farragut 3066.

### NEWS NOTES.

Hartford, Ct.—The greenhouses and business of Olsen & Francis, Main and Bristol streets, has been sold to A. C. Strom, of New Britain.

Tewksbury, Mass.—The murder of Albert Roper, which was reported in our issue of last week, is as much of a mystery as at the outset. Mr. Roper's son, Albert J. Roper, has been held without bail, charged with the crime, but there does not appear to be much on which the charge can be based. He claims to be able to prove a complete alibi and we hope sincerely that he may be able to do so. The funeral of the slain carnation grower was held on Sunday afternoon. The casket was banked high with flowers, including a magnificent tribute from the Flower Exchange in Boston.

## GUTTMAN & RAYNOR, Inc.

A. J. GUTTMAN, President.

### Wholesale Florists

101 W. 28th St., NEW YORK

We have 20 years' experience behind us.  
Telephone, Farragut 2036-2037-558.

## D. C. Arnold & Co., Inc.

Wholesale Florists

112 West 28th St., N. Y. CITY

Telephone, 2287 Farragut.  
Consignments Solicited.

## UNITED CUT FLOWER CO., INC.

Flowers Sold on Commission  
Consignments of  
Good Stock Solicited

PERCY W. RICHTER, Mgr., NEW YORK  
111 W. 28th Street

Established 1888

Tel. 551 Farragut

## GUNTHER BROS.

Wholesale Commission Florists

110 West 28th St., New York

We Solicit Consignments of New  
England Grown Novelties.

## RIEDEL & MEYER, Inc.

Wholesale Commission

READY FOR BUSINESS

49 WEST 28th ST. NEW YORK.

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. Dysart, 40 State St. Boston.  
For page see List of Advertisers.

## APHINE

Aphine Mfg. Co., Madison, N. J.  
For page see List of Advertisers.

## APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.  
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## AUCTION SALES

The MacNiff Horticultural Co.,  
New York City.  
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Willott Auction Co., New York City.  
Plant Auctioneers.  
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## AZALEAS

P. Ouwkerk, Hoboken, N. J.  
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## BASKETS

H. Bayersdorfer & Co., Philadelphia, Pa.  
For page see List of Advertisers.

## BAY TREES

BAY TREES. Write for wholesale price-list.  
JULIUS ROEHRS Co., Rutherford, N. J.

## BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.  
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R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.  
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## BEES

Italian Queens and Bees for introducing new stock and for winter houses. I personally select strong colonies that have young laying queens, sure to give good results. Orders booked 10 days in advance. W. A. SMALL, Watnam, Mass.

## BEGONIAS

Henry A. Dreer, Philadelphia, Pa.  
Superior Tuberous Rooted Begonias.  
R. Vincent, Jr. & Sons Co., White Marsh, Md.  
For page see List of Advertisers.

## BEGONIAS.

Delivery from May 15th.  
Lorraine, 2½ in. pots, \$12.00 per 100; Cincinnati, 2½ in. pots, \$15.00 per 100; Mrs. J. A. Peterson (New), 2½ in. pots, \$25.00 per 100; \$200.00 per 1000.  
JULIUS ROEHRS CO., Rutherford, N. J.

## BOILERS

Kroeschell Bros. Co., Chicago.  
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King Construction Co., North Tonawanda, N. Y.  
"King Ideal" Boiler.  
For page see List of Advertisers.

Lord & Burnham Co., New York City.  
For page see List of Advertisers.

Hitchings & Co., New York City.

## BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.  
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

## BOX TREES

BOX TREES—Standards, Pyramids and Bush. Price list on demand.  
JULIUS ROEHRS CO., Rutherford, N. J.

## BULBS AND TUBERS

Hogewoning & Sons, Rynsburg, Holland and 32 Broadway, New York City.  
Spring and Fall Bulbs.  
For page see List of Advertisers.

Arthur T. Boddington Co., Inc.,  
New York City.  
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.  
For page see List of Advertisers.

Ralph M. Ward & Co., New York City.  
Lily Bulbs.  
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John Lewis Childs, Flowerfield, L. I., N. Y.  
Gladlioli.  
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August Bolker & Sons, New York City.  
Forcing Bulbs and Plants.  
For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.  
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Chas. Schwabe & Co., New York City.  
Horticultural Importers and Exporters.  
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A. Henderson & Co., Chicago, Ill.  
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Burnett Bros., 86 Chambers St., New York.  
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Henry F. Michell Co., Philadelphia, Pa.  
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Joseph Brock & Sons Corp., Boston, Mass.  
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W. E. Marshall & Co., New York City.  
For page see List of Advertisers.

Fottler, Fliske, Rawson Co., Boston, Mass.  
C. KEUR & SONS, HILLEGOM, Holland.  
Bulbs of all descriptions. Write for prices.  
NEW YORK Branch, 8-10 Bridge St.

## CALADIUMS

Henry A. Dreer, Philadelphia, Pa.

## CANNAS

Arthur T. Boddington Co., Inc.,  
New York City.  
King Humbert Cannas.  
For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.  
Canna Roots.  
For page see List of Advertisers.

Newest list of the newest Cannas just out. Complete assortment of the finest sorts, at remarkable rates.

Send for list today.

THE CONARD & JONES CO.  
West Grove, Pa.

## CARNATIONS.

Cottage Gardens Co., Inc., Queens, N. Y.  
New Carnation Cottage Muld.  
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Wood Bros., Fishkill, N. Y.  
For page see List of Advertisers.

F. Dörner & Sons Co., Lafayette, Ind.  
For page see List of Advertisers.

Littlefield & Wyman, North Abington, Mass.  
New Pink Carnation, Miss Theo.  
For page see List of Advertisers.

## CARNATIONS—Continued

Guthman & Raynor, Inc., New York City.  
Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00 post-paid. I. L. PILLSBURY, Galesburg, Ill.

## CARNATION STAPLES

Supreme Carnation Staples, for repairing split carnations, 35c. per 1000; 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

## CHRYSANTHEMUMS

Charles H. Totty, Madison, N. J.  
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Elmer D. Smith, Adrian, Mich.  
New Chrysanthemum Catalogue for 1916.  
For page see List of Advertisers.

Guthman & Raynor, Inc., New York City.  
Early Lavender Pink Chrysanthemum  
Alex. Guthman also handles a Gerza  
Anemone, Double Pompon, pale pink.  
For page see List of Advertisers.

## COLEUS

Coleus, Golden Bedder, Verschaffeltii, Queen Victoria, Firebrand and all leading varieties, including the Pink and Yellow Trailing Queen, clean, strong, well rooted cuttings, \$6.00 per 1000. Cash with order, and satisfaction guaranteed. Send for list. Largest grower of coleus in the U. S. A. NAHLIK, 261-75 Lawrence St., Flushing, N. Y.

## CYCLAMEN

CYCLAMEN. Best strain. Separate colors or mixed, 3 in. pots, \$8.00 per 100.  
JULIUS ROEHRS CO., Rutherford, N. J.

## DAHLIAS

R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.  
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Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens, J. L. MOORE, Prop., Northboro, Mass.

## NEW PAEONY DAHLIA

John Wanamaker, New York. Handsome, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

IF YOU INTEND growing Dahlias for cut flowers then you will make no mistake if you try my assortment, especially selected for cut flower production. 3 whites, 3 pinks, 1 red, 1 yellow, 1 lavender 1 fancy; all field roots, labeled true to name; per 100, 10 of each kind, \$3.00; per 1000, 100 of each kind, \$25.00. 50 at 100 and 500 at 1000 rates. Cash with order. Guarantee entire satisfaction. If interested in Dahlias, then please send for my wholesale trade list of Dahlias.

MANNETTO HILL NURSERIES,  
W. A. FINGER, Prop., Hicksville, N. Y.

## DECORATIVE PLANTS

Robert Craig Co., Philadelphia, Pa.  
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Woodrow & Marketos, New York City.  
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Bobbink & Atkins, Rutherford, N. J.  
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Thomas Roland, Nahant, Mass.  
High Grade Plants for Retail Florists.  
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A. M. Davenport, Watertown, Mass.  
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**FERNS**

H. H. Barrows & Son, Whitman, Mass.  
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A. M. Davenport, Watertown, Mass.  
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**FERTILIZERS**

Alphano Humus Co., New York City.  
The All-in-One Fertilizer.  
For page see List of Advertisers.

Pulverized Manure Co., Chicago, Ill.  
Wizard Brand Cattle Manure.

**FLORISTS' SUPPLIES**

Reed & Keller, New York City.  
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S. S. Pennock-Meehan Co., Philadelphia, Pa.  
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H. Bayerdorfer & Co., Philadelphia, Pa.  
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Welch Bros. Co., Boston, Mass.  
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**FLOWER POTS**

W. H. Ernest, Washington, D. C.  
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A. H. Hews & Co., Inc., Cambridge, Mass.  
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**FUNGICIDES**

Benj. Hammond, Beacon, N. Y.  
Copper Solution.  
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Aphine Mfg. Co., Madison, N. J.  
Fungine.  
For page see List of Advertisers.

**GARDEN TOOLS**

B. G. Pratt Co., New York City.

**GERANIUMS**

R. Vincent, Jr., & Sons Co.  
White Marsh, Md.  
For page see List of Advertisers.

3000 S. A. Nutt, R. C., \$10.00 per 1000;  
2000 S. A. Nutt, 3 in., \$40.00 per 1000; 3000  
S. A. Nutt, extra strong, \$50.00 per 1000.  
FRANK LEITH & SON, Haverhill, Mass.

**GLADIOLI**

Chas Millang, New York City.

John Lewis Childs, Flowerfield, L. I., N. Y.  
For page see List of Advertisers.

A. Henderson & Co., Chicago, Ill.  
Forcing Gladioli.  
For page see List of Advertisers.

**GLASS**

Sharp, Partridge & Co., Chicago.  
For page see List of Advertisers.

Parshelsky Bros., Inc., Brooklyn, N. Y.  
For page see List of Advertisers.

Greenhouse glass, lowest prices. JOHN-  
STON GLASS CO., Hartford City, Ind.

**GLAZING POINTS**

H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.  
For page see List of Advertisers.

**GREENHOUSE BUILDING MATERIAL**

King Construction Co., N. Tonawanda, N. Y.  
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Parshelsky Bros., Inc., Brooklyn, N. Y.  
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A. T. Stearns Lumber Co., Neponset,  
Boston.  
Peccky Cypress.

Lord & Burnham Co., New York City  
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**GREENHOUSE CONSTRUCTION**

King Construction Co., N. Tonawanda, N. Y.  
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Foley Greenhouse Mfg. Co., Chicago, Ill.  
For page see List of Advertisers

S. Jacobs & Sons, Brooklyn, N. Y.  
For page see List of Advertisers.

Lord & Burnham Co., New York City.  
For page see List of Advertisers.

Hitchings & Co., New York City.

A. T. Stearns Lumber Co., Boston, Mass.

Metropolitan Material Co., New York City.

**GREENHOUSE SHADING**

E. A. Lippman, Morristown, N. J.  
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**GUTTERS**

King Construction Co., N. Tonawanda, N. Y.  
King Channel Gutter.  
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**HAIL INSURANCE**

Florists' Hall Asso. of America.  
J. G. Esler, Saddle River, N. J.  
For page see List of Advertisers.

**HARDY FERNS AND GREEN GOODS**

Michigan Cut Flower Exchange, Detroit  
Mich.  
For page see List of Advertisers.

The Kervan Co., New York.  
For page see List of Advertisers.

**HARDY PERENNIALS**

Bay State Nurseries, No. Abington, Mass.  
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P. Ouwerkerk, Hoboken, N. J.  
For page see List of Advertisers.

Pailsades Nurseries, Sparkill, N. Y.  
For page see List of Advertisers.

**HEATING APPARATUS**

Kroeschel Bros. Co., Chicago.  
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Lord & Burnham Co., New York City.  
For page see List of Advertisers.

**HOT BED SASH**

Parshelsky Bros., Inc., Brooklyn, N. Y.  
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S. Jacobs & Sons, Brooklyn, N. Y.  
For page see List of Advertisers.

Foley Greenhouse Construction Co.,  
Chicago, Ill.  
For page see List of Advertisers.

Lord & Burnham Co., New York City  
For page see List of Advertisers.

A. T. Stearns Lumber Co., Neponset, Mass.

Standard hotbed sash, 1 1/2 in. thick, with  
crossbar, 80c. each; lots of 25 and over, 75c.  
each. Blind tenons; white leaded in joints.  
The life of a sash depends on this construction.  
We GUARANTEE our sash to be  
satisfactory or refund your money. Glass,  
6 x 8, 8 x 10, 10 x 12, or 10 x 14, \$1.50 per  
box of 50 sq. ft. C. N. ROBINSON & BRO.,  
Dept. 29, Baltimore, Md.

**HOSE**

H. A. Dreer, Philadelphia, Pa.  
For page see List of Advertisers.

**HYACINTHS**

HYACINTHS, 3 colors, 4 in. pots, \$7.00  
per 100. PRIMROSES in bloom, 4, 5 and  
6 in. pots, 10c., 15c., 20c. PRIMROSE  
MALACOIDES, 4 in. in bloom, 15c. VIN-  
CAS, 3 in., 4c. FUCHSIAS, 2 in., 2c.  
BEGONIA CHATELAINE, 5 in., in bloom,  
25c. CYCLAMEN in bloom, 25c., 35c., 50c.,  
75c. ASPARAGUS PLUMOSUS, 4 in., 7c.  
AZALEAS for late forcing, 75c. GLADI-  
OLUS bulbs, \$10.00 per 1000. ROSENDALE  
GREENHOUSES, Schenectady, N. Y.

**INSECTICIDES**

Benjamin Hammond, Beacon, N. Y.  
Hammond's Slug Shot—Grape Dust.

Aphine Manufacturing Co., Madison, N. J.  
Aphine.

For page see List of Advertisers.

Nicotine Mfg. Co., St. Louis, Mo.  
Aphis Punk and Nikoteen.  
For page see List of Advertisers

**LILY BULBS**

Chas. Schwake & Co., New York City  
Horticultural Importers and Exporters  
For page see List of Advertisers.

R. M. Ward & Co., New York, N. Y.  
Japanese Lily Bulbs of Superior Quality  
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Joseph Brock & Sons Corp., Boston, Mass.  
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**LILY OF THE VALLEY PIPS**

Chas. Schwake & Co., Inc., New York City  
Hohmann's Famous Lily of the Valley Pips  
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Loechner & Co., New York City.  
For page see List of Advertisers.

J. M. Thorburn & Co., New York City.  
For page see List of Advertisers

McHutchison & Co., New York City.  
Berlin Valley Pips.  
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**MANETTI STOCKS—ENGLISH**

McHutchison & Co., New York City.  
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**MARGUERITES**

A. L. Miller, Jamaica, N. Y.  
Special Offer.  
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**MASTICA**

F. O. Pierce Co., New York City.  
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**NATIONAL NURSERYMAN**

National Nurseryman Publishing Co., Inc.  
Rochester, N. Y.  
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**NIKOTEEEN**

Nicotine Mfg. Co., St. Louis, Mo.  
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**NIKOTIANA**

Aphine Mfg. Co., Madison, N. J.  
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**NURSERY STOCK**

R. & J. Farquhar & Co., Boston, Mass.  
New Shrub—Lonciera Maackii.  
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Ouwerkerk, Weehawken Heights, N. J.  
For page see List of Advertisers

W. & T. Smith Co., Geneva, N. Y.  
For page see List of Advertisers

The D. Hill Nursery Co., Dundee, Ill.  
Hill's Evergreens.  
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Bay State Nurseries, North Abington, Mass.  
Hardy, Northern Grown Stock.  
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Bobbink & Atkins, Rutherford, N. J.  
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August Rolker & Sons, New York City.  
For page see List of Advertisers.

**NUT GROWING.**

The Nut-Grower, Waycross, Ga.

**ONION SETS**

Leonard Seed Co., Chicago, Ill.  
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**ORCHID FLOWERS**

Jac. McManus, New York, N. Y.  
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**In writing to Advertisers kindly mention Horticulture**

## ORCHID PLANTS

Julius Roehrs Co., Rutherford, N. J.  
For page see List of Advertisers

Isabel A. Hume, Summit, N. J.  
For page see List of Advertisers

## PANSY PLANTS

Parsons, the big plant grower & kind,  
\$3.00 per 100 in 1915, \$5.00 and  
\$18.00 per 100 in 1916. If you would only  
show the old plants, I would be  
floored with the new ones. I would be  
flooded with the new ones. JAMES MOSS,  
Johannette, Pa.

## PAPER FOLDS

The Paper Folds Co., New York City  
For page see List of Advertisers

## PHOENIX CANARIENSIS

In all sizes. Special price list on demand.  
JULIUS ROEHRS CO., Rutherford, N. J.

## PEONIES

Peonies. The world's greatest collection  
1200 sorts. Send for list. C. BETSCHER,  
Canal Dover, O.

## PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.

## PELARGONIUMS

Roman J. Irwin, New York City.  
For page see List of Advertisers

## PETUNIAS

Petunias, our well known strain of  
doubles, 11 strong colors, varying im-  
mense blooms, perfect healthy stock,  
well rooted and vigorous if ordered, \$1.25  
per 100, prepaid; \$10 per 1,000, 2 in.  
strong, \$2.50 per 100, \$22.00 per 1,000.  
HOPKINS & HOPKINS, Chapachet, R. I.

## PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.  
For page see List of Advertisers

King Construction Company,  
N. Tonawanda, N. Y.  
Shelf Brackets and Pipe Hangers.  
For page see List of Advertisers

## PLANT AND BULB IMPORTS

Chas. Schwabe & Co., New York City.  
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August Rulker & Sons, New York City.  
For page see List of Advertisers

McHutchinson & Co., New York City.  
For page see List of Advertisers

## PLANT TRELLISES AND STAKES

Beele's Telescopic Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

## PLANT TUBS

H. A. Dreer, Philadelphia, Pa.  
"Riverton Special."

## RAFFIA

McHutchinson & Co., New York, N. Y.  
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## RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.  
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## RIBBONS AND CHIFFONS

B. S. Pennock-Meehan Co., Philadelphia, Pa.  
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## ROSES

P. Ouwerkerk, Hoboken, N. J.  
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W. & T. Smith Co., Geneva, N. Y.  
American Grown Roses  
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Bay State Nurseries, North Abington, Mass.  
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A. N. Parsons, Inc., Cromwell, Conn.  
For page see List of Advertisers

G. H. & J. H. Co., New York City  
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## ROSES—Continued

Walter Rose Nurseries, Natick, Mass.  
New Rose Mrs. James Lloyd

THE ROSE & JONES CO., N. Y.  
Roses, Specimens

Want to see the Seed for others

Plants of all descriptions. Ask for our  
list of plants and prices

## SCALECIDE

B. G. Pratt Co., New York City

## REASONABLE PLANT STOCK

R. Vincent, Jr. & Sons Co., White Marsh,  
Md.  
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## SEEDS

Carter's Tested Seeds  
Seeds with a Pedigree  
Boston, Mass., and London, England.  
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Kelway & Son,  
Langport, Somerset, England.  
English Strain Garden Seeds.  
For page see List of Advertisers

Joseph Brock & Sons, Boston, Mass.  
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J. Bouquard & Son, Baltimore, Md.  
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A. T. Boddington Co., Inc., New York City  
For page see List of Advertisers

Chas. Schwabe & Co., New York City  
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Michell's Seed House, Philadelphia, Pa.  
New Crop Asparagus Seed.  
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W. Atlee Burpee & Co., Philadelphia, Pa.  
For page see List of Advertisers

R. & J. Farquhar & Co., Boston, Mass.  
For page see List of Advertisers

J. M. Thorburn & Co., New York City  
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Lochner & Co., New York City.  
For page see List of Advertisers

Appl. C. Zvolanek, Lompoc, Cal.  
Winter Flowering Sweet Pea Seed  
For page see List of Advertisers

S. S. Skidelsky & Co., Philadelphia, Pa.  
Snapdragon.  
For page see List of Advertisers

W. E. Marshall & Co., New York City.  
Seeds, Plants and Bulbs.  
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Jos. A. V. Sons, Rochester, N. Y.  
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August Rulker & Sons, New York City.  
For page see List of Advertisers

Burnett Bros., 98 Chambers St., New York  
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Leonard Seed Co., Chicago, Ill.  
For page see List of Advertisers

D. P. P. Roy, Chicago, Ill.

Seeds—Bulbs—Plants.  
For page see List of Advertisers

Fottler, Fluke, Rawson Co., Boston, Mass.  
Seeds for the Florist.

Seeds for the Florist.  
Standard Standard Seeds.

Shirley & Sons, London, England.  
England's Choicest Novelties.

## SEED AND PLANT FORCER

For page see List of Advertisers

## SHADE TREES

W. B. Cole, Palmyra, Ohio.  
For page see List of Advertisers

## SHAMROCKS

Irish Shamrock, fine plants, out of 2 in.  
pots, at \$2.50 per 100; 1 in. Miniatures at  
\$1.00 per 100. For page see List of Advertisers.  
Shiremanstown, Pa. The Home of Prim-  
roses.

## SHEET MOSS (NATURAL AND DYED)

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## SPHAGNUM MOSS

For page see List of Advertisers

## SHEET BRACKETS

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## SPRAYING MATERIALS

B. G. Pratt Co., New York City.

## STANDARD THERMOMETERS

Standard Thermo Co., Boston, Mass.  
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## STRAWBERRY PLANTS.

Strawberry Plants, sixteen varieties, at  
\$2.50 per 1000. Catalogue free. BASIL  
PERRY, Georgetown, Delaware.

## SWEET PEA SEED

Appl. C. Zvolanek, Lompoc, Cal.  
Gold Medal of Honor Winter Orchid Sweet  
Peas  
For page see List of Advertisers

## TREE SURGERY

The Deady Tree Expert Co., Kent, Ohio.  
Have Your Trees Examined Now.

## VASES

H. Bayersdorfer & Co., Philadelphia, Pa.  
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## VEGETABLE PLANTS

R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.  
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## VENTILATING APPARATUS

The Advance Co., Richmond, Ind.  
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The John A. Evans Co., Richmond, Ind.  
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## VERMICIDES

Appl. Mfg. Co., Madison, N. J.  
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## WHEAT SHEAVES

H. Bayersdorfer & Co., Philadelphia, Pa.  
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## WIRED TOOTHPLICKS

W. J. Cowee, Berlin, N. Y.  
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## WIREWOK

Reed & Keller, New York City.  
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WILLIAM E. HEILSCHER'S WIRE  
WORKS, 264 Randolph St., Detroit, Mich.

## WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.  
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## Baltimore

The S. S. Pennock-Meehan Co., Franklin  
and St. Paul Sts.  
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## WHOLESALE FLORISTS

Boston

Welch Bros. Co., 236 Devonshire St.  
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Patrick Welch, 262 Devonshire St., Boston,  
Mass.  
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## Brooklyn

Wm. H. Kuebler, 28 Willoughby St.  
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## Buffalo, N. Y.

William F. Kaesting Co., 383-87 Ellicott St.  
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## WHOLESALE FLORISTS

Chicago

Loebmann Bros. Co., Morton Grove, Ill.  
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J. A. Budlong, 184 North Wabash Ave.,  
Chicago, Ill.  
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Detroit

Michigan Cut Flower Exchange, 264-266  
Randolph St.  
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New York

H. E. Froment, 148 W. 28th St.  
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James McManus, 105 W. 28th St.  
For page see List of Advertisers

W. F. Sheridan, 133 W. 28th St.  
For page see List of Advertisers

P. J. Smith, 131 West 28th St., N. Y.  
For page see List of Advertisers

Moore, Hents & Nash, 55 and 57 W. 26th St.  
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Charles Millang, 55 and 57 West 26th St.  
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W. P. Ford, New York  
For page see List of Advertisers

J. K. Allen, 118 West 26th St., New York  
City.  
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The S. S. Pennock-Meehan Co., 117 West  
28th St.  
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Trendly & Schenck, 435 6th Ave., between  
26th and 27th Sts.  
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Badgley & Bishop, Inc., New York.  
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Woodrow & Markatos, 37 & 39 West 28th St.  
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Riedel & Meyer, Inc., 49 West 28th St.,  
New York City.  
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George C. Siebrecht, 109 W. 28th St.  
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John Young & Co., 53 West 28th St.  
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M. C. Ford, 121 West 28th St.  
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B. S. Shinn, Jr., New York City.  
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United Cut Flower Co., Inc., 111 W. 28th St.  
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Guttman & Reynor, Inc., 101 W. 28th St.,  
New York.  
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Gunther Bros., 110 West 28th St., New  
York City.  
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D. C. Arnold & Co., Inc., 112 West 28th St.,  
New York City.  
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Henry M. Robinson Co., New York City.  
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W. R. Siebrecht, 114 West 28th St., New  
York City.  
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Herman Weiss, 106 West 28th St.  
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J. J. Coan, 115 West 28th St.  
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Philadelphia

Leo, Niessen Co., 12th and Race Sts.  
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Edward Reid, 1619-21 Ransstead St.  
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The S. S. Pennock-Meehan Co., 1608-20  
Ludlow St.  
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## WHOLESALE FLORISTS

Richmond, Ind.

E. G. Hill Co.

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Rochester, N. Y.

George B. Hart, 24 Stone St.  
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Washington

The S. S. Pennock-Meehan Co., 1216 H St.,  
N. W.  
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## New Offers In This Issue

## BEGONIA, MARIEMONT BEDDER.

Thomas J. Grey Co., 29 So. Market St.,  
Boston, Mass.

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## CHRYSANTHEMUM ALICE DAY.

Charles H. Totty, Madison, N. J.  
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## DREER'S FINE FERNS FOR DISHES.

Henry A. Dreer, Philadelphia, Pa.  
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## DREER'S KENTIAS.

Henry A. Dreer, Philadelphia, Pa.  
For page see List of Advertisers

EVERYTHING FOR THE GARDEN  
LAWN AND FARM.

Peter Henderson & Co., New York City.  
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## GREENHOUSE PIPE.

Pfaff & Kendall, Newark, N. J.  
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HEADQUARTERS FOR PLANT  
STAKES.

Henry F. Mitchell Co., Philadelphia, Pa.  
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## HEATHER AND EASTER PLANTS.

Anton Schultheis, College Point, N. Y.  
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## IMP SOAP SPRAY.

Eastern Chemical Co., Boston, Mass.  
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## MAGIC HUMUS.

Highgrade Manure Compost Co.,  
New York City and Red Bank, N. J.  
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## POTASH PROBLEM SOLVED.

Alphano Humus Co., New York City.  
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## ROSE OPHELIA.

S. S. Pennock-Meehan Co., Philadelphia, Pa.  
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## SHAMROCKS.

J. J. Coan, New York City.  
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## THORBURN'S TUBEROSES.

J. M. Thorburn & Co., New York City.  
For page see List of Advertisers.

## Profitable Advertising

Haverhill, Mass.,

Feb. 25, 1916.

Horticulture Publishing Co.

Please cut out of our ad-  
vertisement the 1000 S. A.  
Nutt 2 1/4 in. at \$18.00 per  
1000; also 200 Perkins  
at 5c.

HORTICULTURE did it.

Yours very truly,

FRANK LEITH & SON,  
Haverhill, Mass.

Buyers' Directory Ad.  
Cost Mr. Leith 30 cents

## WANTS, FOR SALE, ETC.

Advertisements in this column  
one cent a word. Initials count as  
one word. Cash with order. All  
correspondence addressed "Care  
HORTICULTURE" should be sent  
to 147 Summer St., Boston.

## HELP WANTED

WANTED—Man acquainted with the  
New England greenhouse trade to repre-  
sent a first class paint house in that ter-  
ritory. Address V, care HORTICULTURE.

WANTED—An experienced second man  
in greenhouses. No liquor. Must be mar-  
ried. H. B. GREEN, Florist, 175 Stevens  
St., Lowell, Mass.

WANTED—By prominent retailer in a  
Massachusetts city, a good store man who  
can make up, sell, decorate, etc. An all-  
around man who can relieve the proprietor  
of some of the detail responsibilities. Ad-  
dress "H. R.," care HORTICULTURE.

WANTED—A man to take charge of the  
packing shed of a large ornamental nur-  
sery. Must be steady and abstemious; must  
have a good knowledge of ornamental nur-  
sery stock. Good permanent position for  
the right man. State age, experience and  
give references to "F. N.," care HORTI-  
CULTURE.

WANTED—A man to take charge of the  
transplanting work in a large ornamental  
nursery. Must be steady and abstemious.  
Must have practical knowledge of the care  
of nursery stock. Permanent position for  
the right man with the opportunity to be-  
come outside foreman. State age, experi-  
ence and give references to "F. N.," care  
HORTICULTURE.

WANTED—Head Gardener, married man,  
Scotch or Swedish preferred, without fam-  
ily. Must have thorough experience in  
greenhouse and outside gardens. Perma-  
nent situation. Gardener's cottage provid-  
ed. Address in own writing to T. S. P.,  
Post Office Box 1723, Boston, Mass.

## SITUATIONS WANTED

SITUATION WANTED by Head Work-  
ing Gardener; English; on private estate;  
life's experience in all branches of Horti-  
culture; good references; married, no fam-  
ily. F, care HORTICULTURE.

FOREMAN GARDENER with 17 years  
experience on large private estates, expects  
to make a change, where a capable man is  
wanted. \$60.00 per month, board and room.  
"G. D.," care HORTICULTURE.

SITUATION WANTED—Young man,  
married; having ability, knowledge and  
willing worker. For particulars, apply to  
"P. B.," Twombly Estate, Convent, New  
Jersey.

## FOR SALE

FOR SALE—Fresh from factory, new;  
10 x 12, 16 x 18, 16 x 24, double thick. A  
and B qualities. Market dropped. Now is  
the time to buy and save money.  
PARSHESKY BROS., INC., 215-217  
Havemeyer St., Brooklyn, N. Y.

FOR SALE—Fresh from factory, new;  
10 x 12, 16 x 18, 16 x 24, double thick. A  
and B qualities. Market dropped. Now is  
the time to buy and save money.  
PARSHESKY BROS., INC.,  
215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE—Modern office building  
located in city of thirty thousand. Ad-  
dress E. A. CHURCHILL, 41 Royal St.,  
Lowell, Mass.

In writing to Advertisers kindly mention Horticulture

## Obituary

Harold Berman.

Harold Berman, a young florist of Rossmore, Mass., and well known in the Boston Flower Exchange died at his home in Rossmore on Monday, March 6, of diphtheria pneumonia. He was eighteen years old.

Joseph F. Vavrous.

Joseph F. Vavrous, of Lebanon, Pa., died suddenly at his home on Thursday evening, February 24, of dropsy, after a short illness, aged 56 years. Mr. Vavrous has been a resident of Lebanon for the past seven years, and during that time has built up quite a reputation as a florist. He was the head and founder of the present firm of J. F. Vavrous & Sons, florists.

William Wells, Sr.

Wm. Wells, Sr., of the Merstham Nurseries, Surrey, Eng., passed away on Monday, February 28, aged about 70 years. He was famous as a chrysanthemum grower, and was one of the international combination of chrysanthemum growers and distributors, the other members being Thomas W. Pockett, Australia, August Nonin, France, and Charles H. Totty, Madison, N. J. He leaves a number of sons, all engaged in horticultural work.

M. J. Madden.

Chicago had for many years a landscape gardener policeman, for whose death the fashionable Hyde Park mourns. Little children brought many flowers to the home of their old friend, M. J. Madden, 5483 Dorchester avenue. He had planted the trees in old Hyde Park, and cared for them through their first hard years in a growing city and his love for them was as sincere as his love for the children, two generations of whom he had protected on the streets. His was a good example of the close relation between the love of plant life and child life.

John W. Dunham.

John W. Dunham died at his residence, 1204 North 19th street, Philadelphia, on February 29th. "Jack" Dunham, as he was familiarly known, was an associate member of the Florists' Club of Philadelphia for over twenty years, and took a keen interest in its affairs, especially in its social and sporting activities. He was known to many of the trade outside of Philadelphia, as he attended numerous S. A. F. conventions, and was noted as one of the most genial and lovable of men—a scholar, a gentleman, and a great bowler. We shall long cherish the memory of his many admirable qualities. G. C. W.

August Kruger.

August Kruger died at his home, 1102 South Park avenue, Meadville, Pa., Friday night, February 25, aged about 75 years. He had been in poor health for some time, though his final serious illness covered a period of only about one week. Mr. Kruger was doubtless one of the best known men in Meadville, where for a period of 36 years he conducted a successful florist business, and made many life-





## Potash Problem Solved Alphano Richly Supplied Wonder-Worker for Potatoes

**E**VERY ton of Alphano contains seven dollar worth of Potash. Many soils already contain potash, but in a form not useable by plant life. Alphano is teeming with busy billions of soil-digesting bacteria which converts the soil potash and other properties into plant foods readily available. In addition, then to the phosphate, nitrogen, and potash Alphano contains, it also sets free those locked up minerals in the soil. These facts explain why Alphano gives both prompt, as well as long enduring enriching benefits to soil. For vegetables, flowers, and lawns; the results are both immediate and lasting. When sowed in the drill with

potatoes, or other vegetables it renders the soil highly productive. The right hand pile of the above potatoes was grown in one of several rows of sandy soil, treated with a commercial fertilizer costing \$45 a ton. The left hand pile from one of the other rows treated with a like amount (but not value of Alphano Humus). At our office we have on file, sworn affidavits to the above facts, made by the grower, C. W. Baines, of Newport News, Va. Send for the Alphano Book. Find out what Alphano is—how prepared and how entirely it differs from the water weighed, swamp humus, sold under various trade names.



\$12 a ton in bags.  
\$10 a ton in bags by the carload.  
\$8 a ton in bulk by the carload.  
Prices F. O. B. Alphano, N. J.

## Alphano Humus Co.

ESTABLISHED 1905

### 17-R Battery Place, New York City

long friends. He was the typical industrious, conscientious, frugal German-born citizen, loyal to the country of his adoption and equally loyal to his friends, living an exemplary Christian life and meriting in the highest measure the esteem in which he was held in the community. Since his retirement from business, in which he was succeeded by his son, Henry J. Kruger, several years ago, he and Mrs. Kruger have lived in quiet retirement.

Mr. Kruger was born in Hohenniedorf, Germany, Aug. 10, 1841, served through the French-Prussian war after which he came to America, his first stop being at Buffalo, N. Y., taking charge of the Letchworth estates, both at Buffalo and Auburn, N. Y., where he built extensive greenhouses for those days. In 1881 he purchased the greenhouses of Herman Munz at Meadville, Pa., then as now called

the Greendale Conservatories, which through hard and honest toil he has brought up to the present standard. After being in Buffalo about nine months he sent for his sweetheart, then Helen Barby by name, whom he married in New York upon her arrival in this country. He was buried in the family lot in Greendale Cemetery, Monday, Feb. 28th.

**Johnsville, Pa.**—Fire partly destroyed James Moss' upper range of greenhouses about 4 A. M., Saturday, March 4. By the prompt arrival of the local fire company from Southampton they were able to save part of the greenhouse, also the main house, with farm building, stock and implements. The wind was blowing a gale and the thermometer was zero outside. Nearly everything in the houses was ruined.

## Use This Pure Plant Food



## For Your Garden and Lawn

### A SHREDDED MANURE HUMUS COMPOST

Magic Humus is a pure plant food unleached and unburnt. It contains more Potash, Phosphoric Acid and Ammonia in available form to the ton than any commercial fertilizer, pulverized manure or plain burnt leached humus. These essentials, together with Compost make a ready soil.

Magic Humus is the one Compost that possesses the body and fibre to absorb and retain Nature's moisture a long time after it is put into the ground.

Ordinary commercial fertilizer contains no Humus, can't spread its fertilizing properties and is only available to the soil in the spot where the material is drilled in.

Magic Humus spreads itself and enriches the soil all around. It comes to the gardener after months of careful

preparation, thoroughly suited by Nature, free from weed and seed, without the odor so peculiar to other fertilizers, is sanitary and agreeable to handle.

Magic Humus can be used on the top of sand or hard ground as a soil, or cultivated into the ground in the garden with a hand cultivator or plow.

The garden receiving a liberal application of Magic Humus Compost is permanently enriched with plant food and soil.

Seven 100 lb. Bags \$5.00

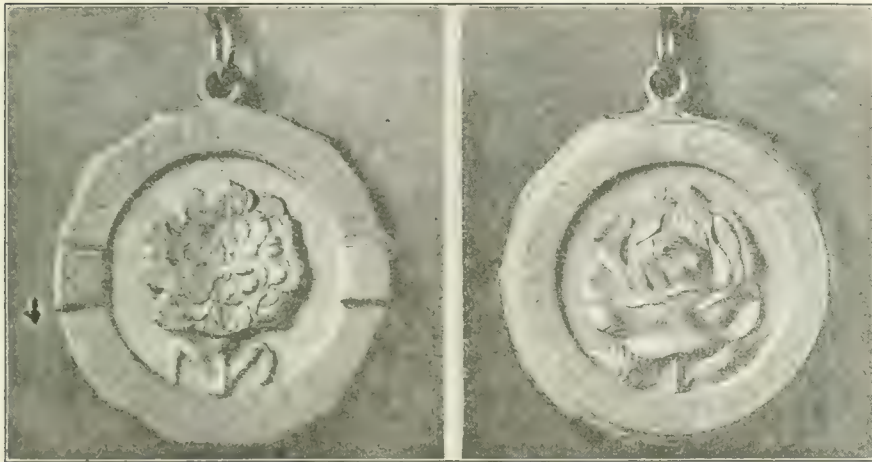
Single Bag 100 lb. 90c.

E.O.B. New York or Jersey City on any railroad or steamboat line.

**HIGHGRADE MANURE COMPOST CO.,** G. W. CHANDLER, Sales Agent

533 West 29th St., New York or 68 Maple Ave., Red Bank, N. J.

### TWO HANDSOME MEDALS.



Kroeschell Bros. Co. of Chicago donate to the American Carnation Society a gold medal, value \$50, to be awarded at the National Flower Show, Philadelphia, for the twelve largest carnation blooms, any color or variety. This medal is made of yellow, red and green gold, 14 carat, weight 12 pennyweight. The background is of yellow gold. The center is matted yellow gold and encircles a hand-carved carnation of red gold. The calyx and foliage of the carnation are of green gold.

The outer circle has the lettering in blue enamel "Kroeschell Gold Prize, Philadelphia," and on raised gold surface the figures "1916."

Kroeschell Bros. Co. also donate to the American Rose Society a gold medal, value \$50.00, to be awarded at Philadelphia. What this should be offered for has been left to President S. S. Pennock of the American Rose Society. This medal is also of yellow, red and green gold, 14 carat, weight 14 pennyweight. The background is yellow gold encircled with a band of green gold with the same inscription in blue enamel as the preceding. The center is a hand-carved rose of red gold, with foliage of green gold, set in a field of matted yellow gold.

Upon the reverse side of each medal will be engraved the name of the win-

ner, award and date. These medals are so arranged that same may be worn as a watch charm if desired

### MASSACHUSETTS AGRICULTURAL COLLEGE NOTES.

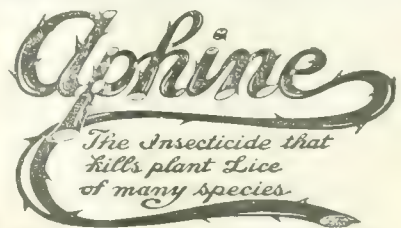
All sorts of flowers are selling well in the vicinity, violets and sweet peas particularly.

The Graduate School of Agriculture will be held at the Massachusetts Agricultural College, July 3 to 28, 1916. For details, address Charles E. Marshall, Assistant Dean of the School, Amherst, Mass.

The classes in Floriculture, including the short course students, made their annual Boston trip this week, visiting many large establishments in and near Boston, several private estates and the flower markets.

Next week is Farmer's Week at the college. Lectures are to be given on every phase of Agriculture and Horticulture. There will also be several shows, including corn show, flower exhibits, dairy products exhibits, etc. A record attendance is expected.

Spokane, Wash.—Imus & Kliffenbach have purchased the Inland Nursery & Floral Co.



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$4.50.

### NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

Quart, \$1.50; Gallon, \$4.50.

Until further notice shipments on our products **FUNGINE**, **VERMINE** and **SCALINE** will be subject to conditions of the chemical market.

Prompt shipments can be guaranteed on **APHINE** and **NIKOTIANA**.

**Aphine Manufacturing Co.**  
MADISON, N. J.



## IMP. SOAP SPRAY

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

LOOK FOR THE IVY LEAF TRADE MARK.

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**EASTERN CHEMICAL CO., BOSTON**



### NIKOTEEN

For Spraying

**APHIS PUNK**

For Fumigating

Ask Your Dealer For It.

**NICOTINE MFG. CO.**  
ST. LOUIS

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Pot Makers for a  
Century and a Half**HEWS****STRONG  
RED  
POROUS****POTS**

Inc. 1904

World's Largest  
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.  
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue  
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:  
CAMBRIDGE, MASS.  
NEW YORK, N. Y.

**Dreer's Peerless Glazing Points For Greenhouses**

Drive easy and true, because both barrels are on the same side. Can't twist and break the glass in driving. Glazed and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from us, dealer or direct from us.

1000, 75c postpaid. Samples free.

**HENRY A. DREER,**  
114 Chestnut Street,  
Philadelphia.

**FULL SIZE NO. 2**



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**DREER'S**  
Florist Specialties.  
New Brand, New Style  
Hose "RIVERTON"  
Furnished in lengths up to 600 ft. without seam or joint.

**The HOSF for the FLORIST**

3/4 inch,	per ft.,	15 c
Reel of 500 ft.,	"	14 3/4 c
2 Reels, 1000 ft.,	"	14 c
3/4 inch,	"	23 c
Reels, 500 ft.,	"	12 3/4 c

Couplings furnished

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714 Chestnut St.,  
PHILADELPHIA, PA.

## —PIPE—

Wrought Iron of sound second-hand quality with new threads and couplings. 14-foot lengths and up. Also pipe cut to sketch. We guarantee entire satisfaction or return money.

Established 1902

PFAFF &amp; KENDALL, 655 Ferry St., Newark, N. J.

**GET OUR CATALOGUE**  
On Ventilating Apparatus and Greenhouse Fittings.  
**ADVANCE CO., RICHMOND, IND.**

### NEWS NOTES.

Helena, Ark.—The Ball Floral Co., Harry Ball, proprietor, have purchased the Merryvale Greenhouses.

Madalin, N. Y.—Fire in the violet house of Frank Moul, North Broadway, on Tuesday morning, Feb. 22, caused a loss of about \$600, partly covered by insurance.

### GREENHOUSES BUILDING OR CON- TEMPLATED.

Evansville, Ind.—Karl Ziedler, additions.

Lansford, Pa.—Dennis J. Boyle, one house.

Troy, Ala.—Troy Greenhouses, rebuilding.

Bemidji, Minn.—Bemidji Floral Co., one house.

Columbia, Pa.—J. Doerrer, Cedar St., two houses.

Great Bend, Kan.—Stoke & Stoke, two houses.

Kansas City, Mo.—A. E. Barthe, range of houses.

Highland Falls, N. Y.—Fred Michel, addition 11 x 50.

Philadelphia, Pa.—J. H. Habermehl's Sons, rebuilding.

Farmington, Mo.—Farmington Greenhouses, two houses.

Decatur, Ill.—Daut Bros., four houses each 36 x 300.

Natick, Mass.—James Wheeler, carnation house 30 x 200.

Milford, Mass.—Herbert W. Austin, West street, house 40 x 200.

Swampscott, Mass.—Frank Prideaux, 20 Devens road, range of houses.

Wilmington, Del.—Frank Rupert, 1410 Delaware avenue, range of houses.

Pittsfield, Mass.—Viale Floral Co., Lenox avenue and Wahconah street, three 150-ft. houses.

Olivette, Mo.—Chas. Steidle, three steel houses, 35 ft. 6 in. x 250; one tile and steel service building 36 x 50; Radial brick chimney 4 ft. 6 in. x 100 ft. Vacuum heating system. Total cost \$26,000. To be completed in August. The American Greenhouse Co. has secured the contract.

### PATENTS GRANTED.

1,171,479. Tractor Plow. James J. Tracy, Cleveland, Ohio.

1,171,558. Plant Growing Apparatus and Method of Making the Same. Frederick W. Taylor.

1,171,559. Bed for Growing Grass and Other Vegetation. Frederick W. Taylor.

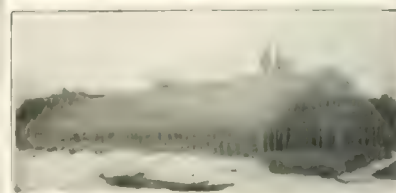
1,171,560. Grass-Growing Apparatus and Method of Making the Same. Frederick W. Taylor, deceased, Philadelphia, Pa. This and the two preceding by Edward W. Clark, 3rd, executor, Philadelphia, Pa.

1,172,021. Process of Propagating Plants. Adolf J. Grinberg, New York, N. Y., and Bernard Feldman, Plymouth, Mass.

1,172,367. Destroying Insects Harmful to Plant Life. Isidor Kitsee, Philadelphia, Pa.

1,172,983. Plant Protector. Samuel K. Green, Paris, Ill.

1,173,019. Method of Exterminating Grasses, Weeds, or Plants. Ingomar F. Orton, Galveston, Tex.



Should you desire to purchase the parts and build the Greenhouse yourself and thereby save the erection cost we have a house for you, ready to build and which requires but little time and effort to erect—a Greenhouse of envious quality.

Mr. Rudolph Irsa, of Easthampton, N. Y., has just completed one for himself. Here's what he has to say about it:—

*"Taking the material and its quality into consideration with the price I paid for it, I can cheerfully recommend you to anyone wishing to build either a commercial or private Greenhouse."*

### WE KNOW WHAT TO DO AND WHAT NOT TO DO

If you contemplate building a greenhouse write us—we can save money for you.

## S. JACOBS & SONS

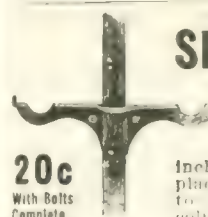
Greenhouse Builders  
Heating Engineers

1359-1385 FLUSHING AVENUE  
BROOKLYN, N. Y.

### MOST PRACTICAL

## Shelf Bracket

MADE



20c  
With Bolts  
Complete

On this Shelf Bracket 2 6-inch boards; or 2 1 1/2 inch, or 1 3/4 inch pipes are placed, and can be clamped to either ridge or purlin columns.

**METROPOLITAN MATERIAL CO.**  
1392-1414 Metropolitan Ave., Brooklyn, N. Y.

## STANDARD FLOWER- POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

**W. H. ERNEST**

28th & M Sts., Washington, D. C.



No. G. H. 4

6" DIAMETER

## A LOYAL FRIEND

On the job night and day. Adjust the hands at minimum and maximum temperature and this always-awake little instrument will warn you if temperature goes below or above the limit. **PADLOCKED** and cannot be tampered with. Absolutely accurate. You can locate the warning bell at your bedside or elsewhere.

The Standard Thermometer Company, December 26, 1914.  
65 Shirley Street, Boston, Mass.

Gentlemen: Enclosed find check for ten dollars for two number one thermostats. Purchased of you two clocks and two thermometers in past and have had such good success with them am going to put these in remaining houses. Please hurry shipment as soon as possible.

Streator, Ill.

(Signed)

Yours, truly,

GEORGE C. WHITCOMB.

**Costs but \$10.00**

**STANDARD THERMO CO.,** 65 Shirley Street  
BOSTON, MASS.

## KING CONSTRUCTION COMPANY, North Tonawanda, N. Y.

### GREENHOUSES

**We Claim Maximum Strength and Minimum Shadow. Investigate**

## FOLEY MATERIALS

ARE THE BEST FOR

**Iron Frame, Pipe Frame or Wood Frame  
GREENHOUSES**

Estimate and Sketch Submitted Promptly

**THE FOLEY GREENHOUSE MFG. CO.**

3275 West 31st Street,

CHICAGO, ILL.

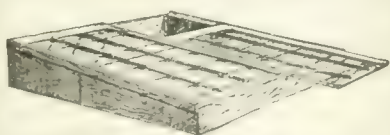
## SHARP, PARTRIDGE & CO.

Are Leaders in

**GREENHOUSE GLASS**

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.



**HOTBED SASH at 75c. each**

Made of best grade Gulf express.

Glazed Hotbed Sash from \$1.65 up.

Double Light Sash up to \$4.00.

We carry a large stock of all sizes.

Write us for estimate.

**S. JACOBS & SONS**

1359-1385 Flushing Avenue BROOKLYN, N. Y.

## GLASS

Greenhouse Material  
Hot Bed Sashes

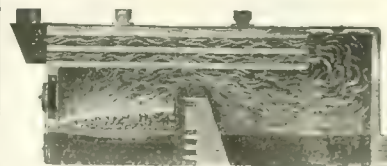
Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

**PARSHELSKY BROS. Inc.**

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## KROESCHELL BOILER

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## MASTICA



USE IT NOW

**F. O. PIERCE CO.**  
12 W. BROADWAY  
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

### THE FLORISTS' HAIL ASSOCIATION

Is a mutual organization, insuring greenhouse glass against hail. Both commercial and private establishments are accepted. For particulars, address

**John G. Esler, Sec., Saddle River, N. J.**  
Insure Now.



### Evans 20th Century Arm

Most up-to-date arm on the market. Proved that it is better than any other is that others tried to imitate. Write for our 1915 catalog just out.

**JOHN A. EVANS CO.**  
Richmond, Ind.

## E. A. LIPPMAN GREENHOUSE SHADING

Write for Particulars

6 High St., Morristown, N. J. Phone 68 M



From this point of view you would never imagine this house was lifted up its full length on a high masonry wall.

## The Goodrich House at Zumbria Heights, Minn. J. A. Weber is the Superintendent

**W**HEN Theodore Wirth left the management of the City of Minneapolis to take his present position at the head of the wonderful Park System of Minneapolis, he left in hand the good work done by J. A. Weber on one of Hartford's notable houses. When Mr. C. G. Goodrich wanted a highly artistic superintendent, Mr. Wirth promptly recommended Mr. Weber, who ably fills the position. It is noted that among the first things he brought about after taking the job was the building of the Goodrich house.

The new or second of location of this fine old building was moved, turned into an advantage.

### SALES OFFICES:

**NEW YORK**  
42nd Street Bldg.  
**PHILADELPHIA**, Franklin Bank Bldg.  
**CHICAGO**, Rookery Bldg.  
**ROCHESTER**, Granite Bldg.  
**BOSTON**, Tremont Bldg.  
**CLEVELAND**, Sweetland Bldg.



Yes you guessed right, it is heated with a Burnham boiler.

## Lord & Burnham Co.

by making the entire space under the house a storage place. There are racks for bulbs of all kinds, beds for vegetables, ample room for hay, trees, a in-shroom cellar, a place for tools, and so on. The house is 100 feet long, divided into four compartments.

With the exception of the F. C. Van Busen House, half a mile away, this is the only up-to-date curved cave house in the Lake Minnesota section.

And how, how about you and your greenhouse building problems? Why don't we get together some day and talk them over?

Say when and where and we will be there.

### SALES OFFICES:

**TORONTO, CANADA**, Royal Bank Bldg.  
**MONTREAL, CANADA**, Transportation Bldg.  
**FACTORIES**: Irvington, N. Y., Des Plaines, Ill.,  
St. Catharines, Canada.

Vol. XXIII  
No. 12  
MAR. 18  
1916

# HORTICULTURE



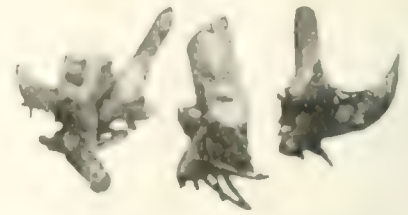
A Wilderness Turned into a Garden

William L. Austin Estate, Rosemont, Philadelphia, Pa.

Published Every Saturday at 147 Summer Street, Boston, Mass.  
Subscription, \$1.00



## Helping Hand Hints



# On Swas-teeka Cannas Best to Buy

**H**ERE is a color chart that turns the dread of growing Cannas into a joy. Colors, heads of flowers, and growth habits have been fixed up on Mr. Winters' color chart in a nice way. There's not a single one going too far. Every one is Conard &

Jones Northern grown. Every one you order will be taken from our glasshouse and boxed when shipped. No Swas-teeka Cannas are boxed when dug.

Send for complete list of all our Cannas.

## COLOR CHART

### SHADES OF PINK

		Ft.	Per 10	Per 100	Per 1000
Dwarf up to 3 feet	Betsy Ross	3		\$4	
	Hawatha B.	3		4	\$20.
	Hungarian	3½		5	40.
	Loveliness	3		5	40.
	Martha Washington	3		2.50	20.
Medium 3 to 5 feet	City of Portland	4		2.5	
	Evolution B.	4		2	15.
	Lauray	4		2	15.
	Mrs. Alfred F. Conard	4		12.50	100.
	Rosen Gigantea	4		9	75.
Tall 5 feet and up	Venus	4		3	20.
	Wabash B.	4		7.50	50.
	Louise	5		2	15.
	West Grove	6		3	25.

### SPOTTED AND VARIEGATED

Dwarf up to 3 feet	Mme. Crozy	2½		\$3.	\$25.
	Panama	3		15.	125.
	San Trelease, Imp.	3		20.	
	Sou. de Antoine Crozy	3		4	
	Elizabeth Hoss	3½		2	15.
Medium 3 to 5 feet	Florence Vaughan	3½		2.50	20.
	Ghiesbreghtia	3½		5	
	Maid of Orleans	4½		10.	\$0.
	Comte de Bouchard	4½		2	15.
	Gladitor	5		3	30.
Tall 5 feet and up	Jennie Walls Fahline	4½		3.50	25.
	Italia	4		2.50	20.
	Mrs. Karl Kelsey	6½		3	20.

### YELLOW AND ORANGE

Dwarf up to 3 feet	Buttercup	3		\$5.	\$40.
	Buttercup Type	3		3.50	25.
	Caromet, Improved	3		3	25.
	Director Holtze	4		2	15.
	Dr. Nansen	2½		2	15.
Medium 3 to 5 feet	Queen of Holland	3		5	
	Brilliant	4		3	25.
	Californian	4		3	20.
	Eastern Beauty, B.	4		2	15.
	Idorado	3½		2	15.
Tall 5 feet and up	Golden Gate	4		\$3.50	25.
	Jane Adams	4		3.50	25.50
	Joanna, B.	4		1.25	10.
	Kate F. Deemer	4		4	30.
	San Diego, B.	4½		25.	

### YELLOW AND ORANGE—(Continued)

		Ft.	Per 10	Per 100	Per 1000
Tall, 5 ft. and up	Zenith	5		\$3.	\$25.
	Burbank	4½		2	15.
	Indiana	6		3	25.
	Flower- ing Type	7		2	15.
	Wyoming, B.	7		2	15.

### WHITE

Medium 3 to 5 feet	Blanche Wintzer	3½		\$1. each,	\$9 ten
	Mont Blanc, Imp.	3½		100	1000

### RED

Dwarf, up to 3 feet	Philadelphia	3		\$2.	\$15.
	Triumph	3		4	30.
	Beacon	4½		4	30.
	Brandywine, B.	3½		2.50	20.
	David Harum	3½		2.50	20.
Medium 3 to 5 feet	Duke of Marlboro	4		2	15.
	Leandale, B.	4		2	15.
	Firebird	4		25.	
	(Potted Plants only)				
	Giant (Crimson)	4½		2.50	20.
Tall 5 feet and up	Mephisto	3½		2	15.
	Meteor (Wintzer's)	4		15	120.
	Mt. Etna, B.	4		2.50	20.
	Ottawa, Improved	3½		10	
	Wm. Saunders, B.	4		4	35.
Tall 5 feet and up	Black Prince	5		2.50	20.
	Conowingo, B.	6		4	30.
	Jupiter, B.	6		3	20.
	Olympic	5		15	120.
	Pillar of Fire	6		2	15.
Orchid Flower- ing Type	King Humbert, B.	5		3	25.
	Louisiana	7		2	15.
	New York, B.	5		4	30.
	Uncle Sam	6½		2.50	20.
	Wintzer's Colossal	5		\$2.50	20.

"B" kinds marked B have bronze foliage.

Write us for any Canna you want, because we have in smaller supply, others not here listed. Send for complete list of all our Cannas.

CONARD & JONES CO.

SWAS-TEEKA BRAND CANNAS

West Grove, Pa

# BEGONIA

## GLOIRE de CHATELAINE.

We find that we have a surplus of 59,000 Gloire De Chataleine Begonias which we offer for the next two weeks or until disposed of at a special price of \$2.00 per 100 for 2 in. and \$3.00 per 100 for 3 in.

	2-in. 100	2-in. 1000	3-in. 100	3-in. 1000		2-in. 100	2-in. 1000	3-in. 100	3-in. 1000
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6 in. pots, 6 leaves, 34 to 36 in.	.....			1.50
7 in. pots, 6 to 7 leaves, 38 to 40 in.	.....			2.00
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March Erica Persoluta Rosea, pink bell, 3 and 3 1/2 in. pots	.....15.00
Xmas Erica President Carnot, pink trumpet, 3 and 3 1/2 in. pots	.....20.00
Xmas Erica President Felix Faure, pink trumpet, 3 and 3 1/2 in. pots	.....20.00
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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Life*

## Chrysanthemums

For medium and late varieties, of course, good stock can be propagated as late as the middle of May, but to have first class stock get all the propagating done as soon after March as possible. Long and lanky growth should be discarded and only stout, straight cuttings, coming direct from the root of the clumps should be taken. A temperature of from 45 to 50 degrees is about right to root in. When the cuttings have made roots half an inch long, pot them. They are permanently weakened by being left in the sand too long. Early varieties and those that are intended for exhibition should not be allowed to get root-bound. It is very important to look to soil fertility if you mean to produce fine plants and bloom. Sod that was piled up last fall and mixed at the rate of one part of well-decomposed manure to three of chopped sod is good for shifts up to May.

## Care of Seedlings

The earliest seedlings will now need pricking out into other flats. Use for all seedlings a compost with a good proportion of leaf mold in it. If some well broken-up cow manure or the manure from a spent hot-bed or mushroom bed is added the seedlings will grow all the better. Shade all newly pricked off seedlings for a few days. A neglect to do this may mean a loss of many of the little plants. As the days lengthen and the sun increases it will be necessary to watch them. See that all seedlings are kept as near the glass as possible, as it insures a stocky and robust growth. Careful and thorough watering and a moderately close and moist atmosphere for the first few days will reduce losses to a minimum. In addition to seedlings, there are many small cuttings which are just as well, or better, in shallow flats than in pots. Never leave them in the cutting bench to become hard.

## Fancy Leaved Caladiums

A good way to start caladium tubers is to place them in a flat with some moss on the bottom. On this they can be arranged close together. Fill in and cover them all over with about an inch of moss. The flats can be placed in a temperature of from 65 to 70 degrees at night and on some bench where they can have a vigorous bottom heat, to start well. When they have made a fair amount of roots they can be potted into 3 or 4-inch pots, using plenty of drainage. For a compost mix turfy loam three parts, leaf mold two parts and well decomposed cow manure one part, and some sand. For good-sized plants keep shifting until they are in 5 or 6-inch pots. Give a large amount of atmospheric moisture and a damping down at least three times a day. Be very careful about ventilation at this season.

## Tuberous-Rooted Begonias

The little seedlings that came from sowings made during January will soon be ready to go into small pots. Use good soil and leaf mold in equal quantities and one-third sand. If seedlings can be given a warm place for

the first three months little trouble will be experienced. Corms started by the middle or end of March will grow into salable blooming plants by June. Use 3-inch flats. Put on the bottom of these boxes some moss and make a light sandy porous mixture to fill the flats within one inch of the top. Plant the bulbs a few inches apart half their depth in it and then spread some moss over all. When they have three or four leaves they can go into 4-inch pots. As the sun becomes stronger they will need some shade during mid-day.

## Odontoglossums

Plants that have not been repotted yet should be attended to without delay. There is no question that autumn potting is the best. A very satisfactory compost is chopped live sphagnum, fibrous peat and charcoal. Give plenty of air, but using care to avoid cold draughts. Of course a good deal of judgment will have to be used as to outside conditions. Give judicious light syringing on all bright days, taking care in dull or wet weather not to have the atmosphere overcharged with moisture. Better keep a little more fire heat so as not to entirely cut off ventilation, or induce a stagnant atmosphere. The temperature through the spring months should range about 55 degrees at night and from 60 to 65 degrees with sunshine. They will stand as low as 50 degrees without, injury, but less water and syringing should be given under such circumstances. You will have to increase shading as the sun becomes powerful, but do not overdo it.

## Starting Bulbous Stock

In order to keep up the supply of spring flowering bulbous plants you will need to bring in a batch about every three weeks into heat. See that they do not suffer for the want of water as they fairly live upon it. A good temperature for most bulbous plants is from 60 to 65 degrees at night, with the usual rise during the day. When they are over half out give them about 10 degrees lower. Also they will need some shade to hold the color of the flowers.

## Formaldehyde; Hydrangea paniculata

JOHN J. M. FARRELL:

Dear Sir—Please tell me the best way to sterilize with formaldehyde. Would you also tell me how to prune *Hydrangea paniculata grandiflora* bush plants bedded out last October, and oblige

Massachusetts.

A SUBSCRIBER.

In answer to A Subscriber, I would say to sterilize with Formaldehyde the best way is the drench system; that is to every 50 gallons of water add 3 or 3½ pints of Formaldehyde. Where the soil is in a bench or about 6 inches in depth you would need about one gallon of the mixture to every square foot, so as to penetrate through. If a foot deep then two gallons will be necessary. After treating with Formaldehyde do not use the soil for at least a week or ten days.

*Hydrangea paniculata* should be pruned back to 2 or 3 buds of last year's growth. The harder back they are pruned the larger the flower heads will be.

Next Week:—Care of Fleus; Easter Trade Suggestions; Palms; Pandanus Veitchii; Smilax; Outside Work.

# HORTICULTURE

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monthly spring up have a great field and opening to develop service by bringing together women interested in any form of agriculture and horticulture and enlisting the support of philanthropically disposed people for the purpose of helping and encouraging women who desire to make a living in these lines of work. The movement already creates a very extended field for the Women's National Agricultural and Horticultural Association, which is one of the most active, now includes among its members women from every state of the Union. The conditions imposed by the turmoil in Europe, whereby Americans are compelled to seek their relaxations and social pastimes in their own land are especially favorable at the present time for such enterprises and, with wise far-seeing policies patiently and thoroughly carried out, the outlook is very encouraging for the future advancement of horticulture through the work and influence of these helpful auxiliaries.

Our editorial note "Time to Call a Halt"

**Drifting** published in a recent issue, has called forth a number of letters from readers in various parts of the country, some of these favoring protest against the drastic recommendations of the federal inspectors in the matter of plant imports, while others take the ground that it is best not to interfere with any legislation which has for its object the restriction or prohibition of any and all horticultural imports from foreign countries. A request from most of the writers of these letters that their identity be kept confidential prevents our presenting them in regular form in our reading columns but, as will be surmised, the line of business in which the writers are severally engaged has much to do with their views for or against the restrictive measures as applied to plant importations.

We think it hardly necessary to assure our readers who have followed these editorial columns regularly, of our hearty sympathy with all proper efforts to develop and expand our home production and this to the end that we may in due time become entirely independent of foreign supply, but the time is not in sight yet nor does there seem to be any organized movement of any magnitude thus far to bring this condition about. Therefore we fail to see that the plan suggested by the horticultural inspectors would accomplish any good for the florist and nursery trade but, on the contrary, much harm, by disorganizing and embarrassing the trade in some of its most efficient commercial channels. On the other hand, we would respectfully again recommend that if the horticultural inspecting department of the government work is to bestow any signal benefaction upon the horticultural interests of this country the sooner they get into friendly affiliation with these interests and consult the representative men of American horticulture on the work to which they have been assigned the better it will be for us all. We have been told of instances where the inspectors have wanted to destroy perfectly healthy Manetti stocks because they mistook the callous at the base of the cuttings for "root gall" or some other wart affliction. Plenty more might be said on this phase of the subject. Our columns are open to any who are interested and have the courage to sign their names.

### Helpful auxiliaries

In our reading columns this week there will be found notes on two interesting events planned for the coming season directly under the management of women. Some means for promoting a more effective and practical participation in horticultural activities by women has long been sought but progress has been rather slow for obvious reasons. The new organizations which have

## ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur Ruzicka*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

### The Rose Growers' Garden

Nine times out of ten the rose growers' home is located far from town, friends, and often neighbors, and although the inexpensive auto has done a great deal to make life more cheerful a good garden will brighten things up still more. It is nice recreation after a day in the rose houses, to put in an hour or two in the garden. Not only can a great many nice vegetables be grown but fruits and flowers as well. The latter should not be overlooked as there is nothing nicer than a bunch of flowers on the dinner table, or in the different rooms. A bed of roses will furnish cut blooms for the house away into November and there are many pretty annuals and perennials that can be easily grown, adding greatly to the attraction of the home inside and out. By utilizing odd spaces in the greenhouse here and there plants can be started early and with a continuous supply of vegetables, flowers and fruit the cost of living can be greatly reduced, leaving much more to be spent on other pleasures, books, travel, church, etc., to say nothing of the saving in doctor bills. It is time now to see that all the grape vines, fruit trees, gooseberries and other small fruits are pruned so that they will not waste a good deal of energy by putting strength into wood which is later removed. The grapes especially will need attention early, for if pruning is not done real early the grapes will bleed badly. Fruit experts tell us that it does no harm and that all the plants let go is water, but I would rather see the grapes pruned early so that they will not bleed. Later they should be tied up properly and all perennial weeds removed, and if a bench of roses is taken out to make room for newly potted stock take the soil to the garden and see that it gets a good coat. A good coat of manure should be given, which can be horse manure, as this is easier to get as a rule. Prepare the soil with the same care that you do the soil for the best roses and there will be no disappointment when it comes to reaping the harvest. The lawn and shrubbery will need attention too, as will the paths and walks. Do not forget several nice bird houses, for without birds there seems to be something missing in every garden. Oh shucks! some one will say I see all the flowers I want to in the greenhouse! Very true, no doubt, but how about Mrs. Rose Grower? Make it a point to have a nice garden this year with plenty of vegetables, flowers and birds, and see if you and yours do not feel younger at the end of the year instead of older.

### The Ventilators

With very severe weather such as we have been getting lately it has been necessary to keep the fires going for quite a while in the morning to keep the houses up to their temperature. Now, however, with spring almost here the days are bound to be warmer and it will be necessary to stop the boilers early in the morning or the houses would get too hot. Air will also have to be put on much sooner and as the houses will go up much quicker it will be necessary to see that the vents are looked after well and air applied often enough. Were the temperature allowed to run away up the plants will soon become soft and likely get a touch of mildew. At night it will be advisable to keep the vents open a little bit until after the sun goes down, especially on houses that are in good order and are tight. It will soon be best to carry a crack of air all night but it may be too cold for this for a while to come yet. As soon as the thermometer outside does not drop below 40 the air at night will help keep the plants healthy. Of course it should only be carried on clear nights, shutting the houses down on wet, foggy or windy nights.

### Temperature for Keeping Roses

Mr. Arthur Ruzicka.

Dear Sir:—Will you kindly tell me the correct temperature an ice box or refrigerator should be to keep roses until they are shipped? Thanking you for past favors,

Yours truly,

J. H.

Oneonta, N. Y.

Between 45 and 50 degrees F., is what our ice box generally stands and we think this is plenty cold enough to harden the roses before they are shipped to the market. As a rule it is best to ask the dealer to whom they are shipped as he can tell better, knowing just in what condition the roses arrive and what they have to go through before they are sold to the consumer. If the roses are kept too cold it seems to stop the stems taking water and if the roses are brought out into a warm room directly after they come out of a very cold box they will wilt right down, until such a time as the stems begin to take water again. Rather than run the ice box very cold we would cut the roses a shade tighter and keep the ice box around 48. The water will then continue to draw up and if the temperature does not go below this, but rather above, the buds will continue to develop, but not to open.

## NEXT WEEK — SPRING TRADE SPECIAL

If you want to make new business get your ad in this issue for it will be a TRADE PULLER. Copy should reach us by Wednesday, March 22, and as much sooner as possible.

## CLUBS AND SOCIETIES

### ILLINOIS STATE FLORISTS' ASSOCIATION.

This Association held its annual convention at Moline, Ill., March 7. It was a very successful and enthusiastic affair. Mayor Caffery of Moline opened the proceedings with an address which was reported to by Vice-President Philbrick. Officers' reports and the various resolutions passed were all interesting and instructive. The officers of last year, C. W. Johnson, president, J. L. Philbrick, first vice-president, J. F. Amman, secretary and F. L. Washburn, treasurer were all re-elected by an unanimous vote.

The banquet at the Moline Commercial Club in the evening was a delightful occasion. There was a very creditable collection of exhibits of decorative plants, flowers, supplies heating apparatus, etc.

Among the important addresses in the business meeting and at the banquet were the following: Report of Work on Fertilizers by Prof. F. W. Muncie; Pathological Work, prepared by Prof. G. G. Peltier and read by E. Lauterbach, Christmas and Easter Flowering Plants by W. E. Tricker, Work of the Division of Floriculture by H. B. Dörner, and Soils by Dr. W. E. Taylor.

#### Extracts From President C. W. Johnson's Address.

This is the first time that we have met in the far western part of the state and I feel sure that the Association will greatly profit by it and that every member will be benefited beyond measure for any sacrifice he has undertaken to attend this meeting. It will enable us to get acquainted with the florists of this part of the state as well as those from our neighbor state of Iowa.

Professor Dörner informs me that there are more students taking up the study of floriculture than at any other time. I have had the privilege of having some of these students work with me during the summer months, and found them to be clean cut earnest young men, and the question that presents itself to me is—"How are these young men going to be received by the trade after they are through with their studies? Will they receive remunerative salaries commensurate to the study they have put in to have made their efforts worth while?" Surely, these young men trained to the conditions of this country ought to be able to show better results than men of more mature years who have not had the same advantages.

Just a few words for the good of the Association, the first matter being the non-payment of dues. The secretary advises me that he is at his wits end to find a way to induce the members to pay their dues regularly. It certainly cannot be the annual amount of \$1.00 that is standing in the way, but it seems to be just neglect on the part of the members to attend to the matter on time.

I am not sure whether our Association is eligible to affiliate with the So-

### Meetings Next Week

#### Monday, March 20.

Detroit Florists Club, Room 1016, Hotel Detroit, Mich.  
Horticultural Club, Commercial Club, 400 Broadway, Kansas City, Mo.  
New Jersey Horticultural Society, Orange, N. J.

#### Tuesday, March 21.

Gardens and Florists Club of Boston, Hotel Marlborough, Boston, Mass., Cambridge, N. H.  
Gardens and Florists Club of Ontario, St. George's Hall, Toronto, Can.  
Lake Geneva Gardeners and Florists Association of Horticultural Hall, Lake Geneva, Wis.  
Minnesota State Florists Association, Minneapolis, Minn.  
Pennsylvania Horticultural Society, Horticultural Hall, Philadelphia, Pa.

#### Wednesday, March 22.

Oyster Bay Horticultural Society, Oyster Bay, N. Y.

#### Friday, March 24.

Connecticut Horticultural Society, County Bldg., Hartford, Conn.  
Monmouth County Horticultural Society, Red Bank, N. J.  
Pasadena Horticultural Society, Pasadena, Calif.

#### COMING EXHIBITIONS.

March 25-April 2, Philadelphia. Fourth National Flower Show of the Society of American Florists, Convention Hall, Broad Street and Allegheny Avenue.

April 5-12, New York. International Flower Show of the Horticultural Society of New York and the New York Florists Club, Grand Central Palace, Forty-sixth Street and Lexington Avenue, New York.

May 10, 14, Boston. May Show, Massachusetts Horticultural Society, Horticultural Hall.

ciety of American Florists and Ornamental Horticulturists under its rule of one hundred paid up S. A. F. & O. H. members, and I would suggest that the secretary take the matter up with Secretary John Young of the S. A. F. & O. H. To my mind a representative from every state society in the union on the board of directors of the National Society would be an ideal arrangement. If it can be done, let our Association be the first.

As a State Association I believe our work should cover a more extended field than the Florists' Clubs of the cities, and that we should aim to get into close relations with the commercial bodies of the state. There is a growing interest among Improvement Societies and Women's Clubs throughout the state to hold local flower shows during the summer months and I believe that we as an Association could help in this work by contributing a display through our membership and assist in the judging of the exhibits.

The wet summer of 1915 was a bad season for the carnation plants in the field and to it can be traced, to a great extent, the reason of the short supply of carnation flowers during the

winter, but it would seem that growers are not watchful enough of their plants and fail to recover themselves according to the conditions of the weather. The grower who brought in his carnation plants early and thus saved them from a great deal of the wet weather, has been well repaid by being able to supply a good lot of flowers at a high price.

#### AMERICAN ROSE SOCIETY.

The Executive Committee of the American Rose Society met in New York City on Monday, March 13, to go over the work of preparation for the coming exhibition and annual meeting. The annual meeting will be held in Convention Hall, Philadelphia at 7.30 P. M. on Monday, March 27. The judges appointed for the various classes are as follows:

Saturday, March 25, 1 P. M. Plants—Messrs. Philip Brinkley, Detroit, Mich., Alex. B. Scott, Sharon Hill, Pa., George C. Thomas, Jr., Philadelphia.

Cut Roses—Monday, March 27, 2 P. M. Private classes—Admiral Aaron Ward, Roslyn, L. I., N. Y., Eugene Dilledouze, Flatbush, N. Y., and Victor Groebens, Roslyn, Pa. Commercial classes: Emil Buettner, Park Ridge, Ill., John H. Dunlop, Toronto, Ontario, and Wm. L. Rock, Kansas City, Mo. 25 Class: Frank H. Friendly, New York City, Fred. Burki, Pittsburgh, Pa. and Robert Craig, Philadelphia, Pa.

Thursday, March 30, 2 P. M. Rose Display and Retailers: A. B. Cartledge, Philadelphia, Pa., James Forbes, Portland, Oregon, and W. J. Palmer, Buffalo, N. Y.

The Dorrance medal will be awarded as a sweepstake prize. This medal was won last by Gude Brothers of Washington, D. C.

The blanks for entries are all to be sent to Benjamin Hammond, Widener Building, Room 1205, Philadelphia, Pa.

The Annual for 1916, the best book the American Rose Society has yet issued, is being mailed to all members that are paid up, and tickets of admission will also be issued to all paid up members. At the annual meeting there will be various important matters to come up, and the time fixed for the meeting is on a day when we hope to obtain a large attendance of members.

BENJAMIN HAMMOND, Sec'y.

Beacon, N. Y.

#### NEW YORK FLORISTS' CLUB.

The meeting of this Club on Monday evening, March 12, was a big and enthusiastic one, no less than 175 members being present, notwithstanding that a wild storm was in progress. After reports on the "Din Dan" by Joe Fenrich and the Philadelphia excursion by Abe Miller, a lively discussion came up on the project of inviting the S. A. F. to hold the 1917 Convention in New York. The proposition was passed unanimously. The perennial question of entertainment of Convention visitors was thrashed out by the leading orators of the Club with the usual result that if the time-honored custom is to be abandoned some other town will have to set the example. Emil Schloss arraigned the retail florists for their tardiness in advancing the prices for their goods in line with the enhanced cost of all supplies.



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***Copies of Catalogue on Application to New York Office***

According to returns in hands of Secretary Young the coming Spring Flower Show at the Grand Central Palace will be a record breaker. Trade tickets are selling rapidly, a great deal more trade exhibition space has been sold than ever before and the "gate" receipts are expected to beat all previous records.

The storm prevented any large display on the exhibition tables but there was an attractive array of Rose Mme. Euler, Carnation Peace and other specialties by Guttman & Raynor, flats of new narcissi by M. van Waveren & Sons, of Hillegom, Holland, Narcissi from P. W. Popp and a vase of Carnation Aviator.

#### BUFFALO FLORISTS' CLUB.

At a meeting of the Buffalo Florists' Club, held March 8 at the Hofbrau and attended by more than 100 of the leading florists of the city and suburban towns, a resolution endorsing the proposed flower and fashion show to be given by the Buffalo Lodge of Elks at the Broadway Auditorium from April 6 to 12 was unanimously adopted. William F. Kasting offered the resolution and in submitting it to the members, called upon them to give their hearty support to the show and to make plans whereby they would individually and collectively make the



E. C. BRUCKER

President Elect Buffalo Florists' Club.

most elaborate floral display ever shown in this section of the country. Charles Schoenhut was appointed chairman of the committee to have charge of the display and he named

the following as members of the committee: Mark Palmer, Robert Scott, Charles Sandiford, W. Adams, L. Neubeck, Edward Stroh, Charles Ginther, W. Silvers and W. F. Kasting.

Officers were elected for the coming year as follows: President, E. C. Brucker; vice-president, William Sievers; secretary, William Legg; financial secretary, Mark Palmer; treasurer, Edward Stroh; directors, Louis Neubeck, Edward J. Palmer and William F. Kasting.

E. C. McLeish, professor at Hutchinson High School, spoke on "Advertising and Salesmanship."

#### WOMEN'S NATIONAL AGRICULTURAL AND HORTICULTURAL ASSOCIATION.

The third annual meeting and conference of the Women's National Agricultural and Horticultural Association is to be held in Horticultural Hall, Boston, on May 18-19. This is to be in co-operation with the Women's Educational and Industrial Union and assisted by various colleges—Mass. Agricultural, Simmons, Wellesley, Vassar, Cornell, Reuther Garden School and Lowthorpe—as well as other organizations interested in the agricultural and horticultural work of women. Able speakers are already promised, among them, George T. Powell, of New York Agricultural Experiment

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STAFF: Mrs. H. C. H. of Kings-  
ton, Mass., Mrs. F. H. of Ann  
Mich., President of the Association  
and author of the "Well Balanced Gar-  
den," Mrs. Edith L. Fullerton, Med-  
ford, L. I. Experiment Station, and a  
host of others whose names as well as  
the subjects of their addresses will  
be given out later.

Governor McCall will extend the  
welcome for the Commonwealth, and  
Mayor Curley for the city.

An interesting feature of this year's  
Conference will be the "Garden Sale"  
of perennial plants, seeds, garden  
aprons, hats, buckets, flower glasses,  
and other garden accessories offered  
by the members of the Women's Edu-  
cational and Industrial Union.

The exhibit of Members' work of the  
Women's National Agricultural and  
Horticultural Association is in the  
hands of an able committee, Mrs. B.  
Hammond Tracy, Wenham, Mass.,  
Chairman, who hope to show by  
varied contributions ranging from gar-  
den photographs and pottery to but-  
ter, eggs, cream and honey, what this  
organization is doing along commer-  
cial as well as educational lines.

## MAINE FLORISTS' SOCIETY.

At their meeting in Orono last week  
the Maine Florists elected officers for  
the coming year as follows: J. H.  
Stalford, Bar Harbor, president; C. C.  
Strout, Biddeford, vice-president; E.  
Saunders, Lewiston, treasurer; R. T.  
Muller, Orono, secretary; executive  
board, J. H. Stalford, Bar Harbor; C.  
C. Strout, Biddeford; Mrs. M. A. Clark,  
Ellsworth; F. L. Minott, Portland; J.  
M. Olm, Bath, and H. H. Chadwick,  
Houlton.

The exhibition was a potent attrac-  
tion. Among the contributors were  
S. J. Goddard, Framingham, Mass.,  
carnations; Univ. of Maine, lilies; R.  
Barrows, Gorham, carnations; P. L.  
Olm, Bath, carnations; Ernest Saun-  
ders, Lewiston, cut flowers; J. H. Stal-  
ford, Bar Harbor, bulbous flowers;  
Mrs. M. A. Clark, Ellsworth, flowering  
plants; J. W. Minot, Portland, carna-  
tions; F. L. Billings, Richmond, flow-  
ers; H. L. Chadwick, Houlton, sweet  
peas; C. S. Strout, carnations.

The annual report of the Nebraska  
State Horticultural Society for 1915 is  
now off the press. The report contains  
three hundred pages of the latest in-  
formation on fruit, flower, vegetable  
and tree growing in Nebraska. It is  
fully illustrated with twenty-seven full  
page engravings of fruit, flower and  
vegetable scenes on Nebraska farms.  
It is a most creditable production.

A FIELD OF WHITE AND RED PINE, AT OLD TOWN NURSERIES,



The widespread interest in refor-  
estation and the utilization of run-out  
farm tracts for the production of tim-  
ber has made a big demand for young  
trees in this country. The prohibition  
against the importation of pines and  
other disease infested stock from  
abroad acts as a further encourage-

ment for local production. One of the  
several enterprises engaged in this  
work in the vicinity of Boston is the  
Old Town Nurseries of M. P. Haend-  
ler, and the accompanying illustration  
gives an idea of what Mr. Haendler is  
doing in that line. There is practical-  
ly no limit to the demand for material  
of this class at the present time.

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England. Evergreens, deciduous  
trees both common and rarer  
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By the thousands, hardy  
Native and Hybrid Rhodo-  
dendrons—transplanted and  
acclimated. Let us estimate.

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Now ready, fine stock and free from  
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Easter Greeting, 2 in., \$8.00 per 100.

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Silver Maple      All Sizes  
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Official organ of the American Association of Nurserymen. Circulation among the trade only. Published monthly. Subscription price, \$1.00 per year. Foreign subscriptions, \$1.50 per year. In advance. Sample copy free upon application from those in the trade enclosing their business card.

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# MICHELL'S PHILADELPHIA'S LEADING SEED HOUSE

Inviting you to inspect their unique display at THE NATIONAL FLOWER SHOW in Philadelphia, March 22th to April 1st 1916 and while there a row is to be held at our mammoth establishment at 518 Market Street, Philadelphia, and our Nurseries, at Ardmore, Pa. Neither will entail any obligation on your part, and we assure you it will be worth the time.

Our corps of representatives at the Flower Show will be glad to lend any assistance in the usual MICH'S custom of Courtesy—Service—Satisfaction.

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SEND FOR OUR WHOLESALE PRICE LIST

## MICHELL'S SEED HOUSE, 518 MARKET STREET PHILADELPHIA

### SEED TRADE

#### Seedsman's Disclaimer.

At a meeting of seed growers and seed merchants, held in Chicago, Thursday, March 2, thirty-two delegates were present, representative of twenty-six establishments, and after a full discussion of the Seedsman's Disclaimer the subject was referred to a committee of five, consisting of two growers elected by the seed merchants present and three merchants elected by the seed growers present, the committee consisting of J. C. Robinson of the J. C. Robinson Seed Co., C. N. Keeney of N. B. Keeney & Son, Kirby B. White of D. M. Ferry & Co., F. W. Bolgiano of F. W. Bolgiano & Co., of Washington, and J. C. Vaughan's Seed Store.

The committee's report was as follows:

"The seedsman present at a conference at the Sherman Hotel, Chicago, on March 2, 1916, re-affirm and endorse the non-warranty clause known as the American Seed Trade Association Non-Warranty clause and believe that all sales or agreements of sale, wherever made, should contain said clause.

"In those contracts of sale, or sale of seeds, wherein for any reason, and contrary to the recommendation of the American Seed Trade, said non-warranty clause is waived, it is the opinion of said seedsman that for such waiver, or non-use of said non-warranty clause, the seller should receive an additional purchase price for the seed by way of insurance and so stated as a term of the sale or agreement of sale and that the seller should be liable in any event for not more than the purchase price of said seed."

The report was adopted by acclamation and by a standing vote.

BURNET LANDRETH, Sec'y.

#### The Catalogue Postage Bill.

Chairman Therikildson of the Postal Laws Committee of the American Seed Trade Association, sends the following letter:

You will note that Senator Burkhead has introduced in the Senate Post Office and Post Roads Committee, as a rider to the Post Office Appropriation Bill, Senate Bill 4997, which is an adjusted form of H. R. 11621.

I, together with Mr. Duggan of Maule's and a conference with several of the Senators and Representatives, also Mr. Koons, Mr. Woods and Mr. Dockery of the Post Office Department, and Senate 4997 has their endorsement so far as introducing is

concerned. It will, of course, have to be again referred to them for their approval before it can get by. It may never become a law but we can at least try, and I am assured by Mr. Koons of the Post Office Division, that they are not only willing but anxious to do all that they can for the various catalog makers.

Sincerely yours,  
W. F. THERIKILDSON, Chairman,  
Postal Laws Committee, A. S. T. A.

#### One Week's Imports

Imports at the port of New York of horticultural material for the week ending March 3d, were recorded as follows:

Bulbs—Denmark, \$20; France, \$28; Italy \$8; Netherlands, \$9,673; England, \$861; Hongkong, \$1,673; Japan \$198.

Plants, etc—France, \$7,557; Netherlands, \$39,478; England, \$633; Scotland, \$3; Ireland, \$62.

Red Clover Seed—France, \$180,439; Italy, \$122,903.

Grass Seed—Denmark, \$311; Scotland, \$250; Ireland, \$91.

All other seeds—Denmark, \$387; France, \$1,473; Germany, \$276; Italy, \$611; Netherlands, \$16,023; England, \$17,184; Chile, \$4,742; British Indies, \$3,160; British East Indies, \$2,450; Japan, \$34; Argentine, \$4,618.

Nitrate of soda—Chile, \$11,399.

Kainit—Peru, \$555.

Sulphate of potash—Peru, \$6,048.

#### Flood Damage in Holland.

A letter from Sluis & Groot, of Enkhuizen, Holland, concerning the damage to fields and premises from the horrible floods which recently devastated a great part of that country, tells us the island of Marken as well as the towns and villages of Edam, Monnikendam, Brock in Waterland, etc., were involved in the catastrophe and although only sixteen persons were drowned the population has suffered enormously and many refugees have been sheltered under the roofs of the surrounding towns and villages.

They add that the polder in which they live, the ground of which is very fertile had a narrow escape, for the dikes were partly destroyed in many places and even houses were badly damaged by the big waves, which came over the dams, so that people living near the dikes passed an awful night.

Only one of their gardens of about thirty acres, outside of the main dikes and surrounded by a lower dam, was entirely flooded, so that they will not be able to grow any flower and vege-

table stock seeds in it during the next few years but they have taken measures elsewhere, so that their business will not in any way be impaired by this calamity.

#### Notes.

Lincoln, Neb.—It is expected that a dividend of 5 per cent will be paid to the creditors of the Griswold Seed Company, recently declared bankrupt.

W. A. Philippo, representative of M. van Waveren & Sons, of Hillegom, Holland, is now in this country on his annual business visit to the large American seed houses.

#### NEW CORPORATIONS.

Quincy, Ill.—The Wm. Vollbracht Company, seeds and implements, capital stock, \$10,000.

Little Rock, Ark.—Tipton Nurseries, capital stock, \$10,000. Incorporators, W. A. Hicks, W. K. and C. L. Tipton.

Silver Hill, Ala.—Winberg-Branden Orchard & Nursery Co., capital stock, \$20,000. Incorporators, O. F. E. and M. V. Winberg and E. S. Branden.

### ONION SEED - - ONION SETS

We have yellow sets to offer and a limited quantity of fine Red Globe seed, together with a few other varieties. Are also submitting contract figures for the 1916 onion seed crop. If interested write for prices.

SCHILDER BROS., Chillicothe, O.

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Winter or Summer Spencer, only the best commercial varieties.

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### KEYSTONE SNAPDRAGON

Best Winter flowering Pink Snapdragon on the market. Per pkt., \$1.00; 6 pkts. for \$5.00.

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### BEGONIA, Mariemont Bedder

Brilliant scarlet with reddish brown foliage. Best bedding variety grown. Packet, 25 cents. Catalogue upon application.

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The finest of all the Bush Honey-suckles, beautiful in fruit, which it holds through December.

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Trade pkt. \$1.00; Pure White, trade pkt., \$1.50.

Sweet Peas, Asters, Cyclamen, Petunia, Primula.

Lily of the Valley from our own Cold Storage Plant.

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Send for illustrated descriptive circular and sample, 15c.

Also our Collapsible Paper Seed Pot in 2 sizes, 4x2 and 4x3 square, for growing Tomatoes, Sweet Peas, &c., \$10.00 a thousand.

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## Thorburn's TUBEROSES

Dwarf Double Pearl

4½ to 6 inches

\$8.50 per 1000

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Milford, Ct.—Andrew MacCreia

Escanaba, Mich.—Mead Drug and Floral Co.

New Haven, Ct.—Carl C. Buck, 29 Broadway

Burlington, Vt.—W. E. Peters, 128 Church St.

Wichita, Kan.—C. P. Mueller, 3152 Douglas Ave.

Indiana, Pa.—Straley's Flower Store, Philadelphia St.

East Orange, N. J.—R. G. Freythe, 15 Greenwood ave.

Chicago, Ill.—Arthur Ferrero, succeeding Arthur Weatherwax, 828 E. 47th St.

**NEWS NOTES.**

Columbia, Ind.—Livengood & Kriehbaum have purchased the Columbia City Floral Company.

Knoxville, Tenn.—A. J. McNutt has bought the florist business of C. W. Crouch Company and will conduct it under the same name.

St. Louis.—Grimm & Gorley have made an addition to their store on Washington avenue, taking the store adjoining formerly occupied by a book concern.

Lowell, Mass.—Haynes the Florist was awarded the contract for supplying the required shrubs and flowers for Lucy Larcom Park. Other bidders were J. J. McManmon and Whittet & Co.

Yonkers, N. Y.—Wm. A. and James Macdonald who have been conducting the florist business of the estate of Peter Macdonald, their father, will in the future continue the business under their own name. It is located in Main street just off Getty square.

The Reading, Pa., Florists' Association met on Thursday night, March 2, at the home of Frederick Frank Oakbrook. Plans for the flower show to be held in September were discussed. As the Lancaster trip, recently held, was so much enjoyed, the association is arranging a trip to Allentown on April 1. J. Stanley Giles presided.

**The Park Floral Co.**

J. A. VALENTINE, Pres.

Members Florists' Telegraph Delivery.

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For Retail Stores a Specialty

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FLORISTS  
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**ROCHESTER, - N.Y.**

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**S. A. ANDERSON**  
440 Main St., Buffalo, N. Y.  
ANDERSON service means fresh, sturdy  
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125,000 Sq. Ft. of Glass  
WORCESTER, MASS.

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New York: Paul Berkowitz of H. Bayersdorfer & Co., Phila.; W. P. Craig, Phila.

Philadelphia: Wm. F. Gude, Washington, D. C.; Chas. Vorkeller, South Bethlehem, Pa.; Wm. H. Vance, Wilmington, Del.; C. P. M. Nimms, representing A. H. Hews & Co., Cambridge, Mass.

Washington—Joseph E. Rolker, of August Rolker & Sons, New York; J. Irwin, New York; William F. Ekas, William E. McKissick and Thomas Barker, Baltimore, Md.; Charles M. Wernig, Springwood Farms, York, Pa.

Boston: W. A. Philippo, representing M. van Waveren & Sons, Ltd., Hillegom, Holland; A. Kakuda, representing Yokohama Nursery, Yokohama and New York; T. van Waveren, Jr., Hillegom, Holland; J. H. Bockman, Philadelphia; John Van DerMey, Holland.

Chicago: R. A. Lundy and Ben Bolds, Denver, Colo.; Mrs. A. C. Roth, Joliet, Ill.; O. H. Carlson and R. J. Wentworth, Minneapolis, Minn.; A. M. Augspurger, Peoria, Ill.; Misses Ella Kaber and Vana Malus and J. M. Hoffman, La Porte, Ind.; M. Philip, Wausau, Wis.; Thos. Knight, New York; W. A. Rowe, Kirkwood, Mo.

### PERSONAL.

Peter Sims has accepted the position of superintendent of the greenhouses on the Griswold estate, Pittsfield, Mass.

Jacob H. Harvey, florist, 189 Broad street, Newark, N. J., was operated upon on Monday, March 6, in St. Michael's Hospital. His condition is favorable.

Letters from William Plumb to friends in New York tell of important work on hand in laying out new estates in Cuba which may keep him in that country for two years yet.

Alexander Richardson formerly gardener on the Morgan estate, Glen Cove, N. Y., has taken charge of the Bruce MacKelvie estate at Sands Point, Port Washington, N. Y.

Mr. Hodgdon formerly covering this territory of H. F. Michell & Co., of Phila., is now with the Boston firm of Fottler, Fiske, Rawson Co. J. Bockman, who has been with the Michell Co. for a number of years, is now covering the territory formerly covered by Mr. Hodgdon.

Atlantic City, N. J.—Fred Husband a former employe of Walter Thoms, florist, was held without bail for court by Magistrate Jagmetty on a charge of burglarizing the Thoms establishment on the morning of February 25th.

*Penn. The Florist*

"The Telegraph Florist"

Member of Florists' Telegraph Delivery

124 Tremont St., BOSTON

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### STORES IN

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**EYRES**  
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.



## NEWS ITEMS FROM EVERYWHERE

### BOSTON.

Very few Boston growers are coming over this year and local buyers will find a convenient source of supply in A. Hanes, of Weymouth, who is representing K. J. Kuyk, of Ghent, and will book orders at regular import prices.

Montague Chamberlain, ex-president of the American Gladiolus Society, has been in the Mass. Homeopathic Hospital, for the past two weeks, following a serious operation. He was on the dangerous list for some time but we are pleased to state that he is now convalescing nicely.

The Boston Herald, in its advance notes on the March Show at Horticultural Hall, says that "over half a million blooms" are to be seen there. Probably, if one counts the individual flower on the ericas, schizanthuses and acacias. Perhaps the Herald underestimates the number, which is very reprehensible from the standpoint of sensational impressiveness.

In the old days a set of "old fogies" were running the road. "All they knew about the business was to keep the stock up, provide good facilities for the shippers, pay dividends to the stockholders and reduce rates once in a while," he said. "Then came some high efficiency men, headed by Mellen, who did none of the things the 'old fogies' did. After some reckless driving they landed the road in a ditch, and, like most other reckless drivers who land in ditches, they called on the nearest farmer to help them out."

The foregoing remarks were made by W. H. Elliott in the course of a hearing in Boston on the petition of the Boston & Maine railroad to increase its rates on shipments of milk and other things. Right you are, Mr. Elliott.

Chairman Dillon, of the Park Commission, has recommended the following division of the Parkman fund expenditure for the ensuing year: Franklin Park greenhouse, \$50,000; walks on Boston Common, \$10,000; improvements and maintenance of golf links, \$3,000; improvement and maintenance of Fens, \$25,000; of bear dens, \$3,000; of zoological gardens, \$25,000; of Public Gardens, \$5,000; of small parks and squares, \$30,000; of the Aquarium and Marine Park, \$10,000; of the Riverway and Commonwealth avenue, \$30,000; total, \$191,000. Mr. Dillon advises that the proposed erection of a horticultural building in the Fenway should be postponed in favor of the Franklin Park greenhouse.

**Willimantic, Conn.**—Many florists have been visiting Willimantic to see how the new carnation Red Wing is behaving in W. A. Dawson's houses. Mr. Dawson says that every one, without a single exception, has placed an order. This sterling scarlet carnation received a certificate of merit from the American Carnation Society. It seems to be exceptionally well fortified with the desirable qualities of a really profitable "cut and come again" variety.

### CHICAGO.

Following the hint that fashion has set for corsages of tiny roses the Bud-long greenhouses will contain some of the "Baby Doll" roses this year.

Michael Wiltjen, of Evanston, had the misfortune to lose his greenhouse and barn by fire on March 8, caused by the dumping of ashes too close to the buildings. The loss included also an automobile, two horses and a cow.

Something new was a "seed service" in one of the large local churches March 12. Following an appropriate service, packages of flower seeds were given away and notice given that a floral service would occur when the seeds had produced flowers.

The Woman's Outdoor Art League is sending out its letters offering penny seed packets as in other years. This time wooden window boxes and soil are offered also at very low prices. Special prizes will be given for best results in cultivating plants, etc.

P. J. Foley made a brief business trip east last week. Mr. Foley's two sons, J. P. and P. J., Jr., are both in the business with their father.

Work is under way for the new greenhouses for Geo. Weiland, of Evanston, and they will start erecting about April 1.

It is the opinion in the flower trade that the effect of the lenten season is less each year. A few days after Ash Wednesday the flower demand becomes normal again. Quite a number of social affairs are booked for early April and they call for the use of many flowers.

One of the unique window attractions was that of Geo. Wienhoeber, in honor of St. Patrick's Day. A six-foot frame in the shape of a harp, was carefully mossed and given over to a grower some weeks ago with the result that a harp of real live shamrock was forthcoming this week. The effect is very good.

Only those who placed orders early have been able to get the quantity of shamrocks wanted, for the stock was exhausted nearly a week before St. Patrick's Day. The two principal growers furnished about thirty thousand each. Poehlmann Bros. turned down many orders. The little mailing boxes holding two plants each proved even better sellers than a year ago.

### WASHINGTON, D. C.

The establishment of an experimental farm near Plainview, Texas, is contemplated in a bill just introduced into the Senate. The sum of \$50,000 will be appropriated if the bill is passed. It will be placed under the control of the Secretary of Agriculture.

R. Lloyd Jenkins, of C. L. Jenkins & Son, Suitland, Md., is convalescing after an illness of nearly a month. He was at first thought to be suffering from pneumonia, but later it was found that he had scarlet fever, a very dangerous illness for adults.

### NEW YORK.

E. H. Wilson of Boston lectured on Wednesday, March 15, before the Horticultural Society of New York at the Museum of Natural History.

John Lewis Childs had the exciting experience of being on a train returning from California which passed through Columbus, N. M., at the time of the Villa raid on that town. He gives a very vivid circumstantial account of the affair as seen by him, in the New York Herald for March 13.

It is understood that between the Horticultural Society of New York and the New York Florists' Club over \$4,000 was raised towards the premium list of the spring show. This seems to prove the wisdom of abandoning the personal guarantee system. The society and club each guaranteed \$5,000 and this made the securing of special premiums much easier.

Never before has the New York flower market displayed such a variety of tulips as are seen this season. In past years half a dozen old standard varieties have practically monopolized the market. Now we see such lovely gems as Thomas Moore, Prince of Austria, Brilliant Star (scarlet with black centre) Flamingo, Calypso, DeWet (orange), Cherry (Rose LaReine), Jenny (cherry rose) and others, which have given the tulip market a new life. Even the Darwins are seen here and there and where is there a finer than the beautiful lilac Darwin, William Copeland, which is an early forcer, possible for the third week in January. Most of the foregoing are Van Waveren specialties and it is not surprising, after their success in this market as cut flowers during the present season that the demand for next years' bulbs is very great already.

### NEWS NOTES.

**Lancaster, Pa.**—Mrs. George G. Goldbach has sold her greenhouses on East Orange street to Aaron H. Wisler, of Rossmere, Pa.

**Shelburne Fall, Mass.**—P. R. Burt, the florist, is tearing down the Lucius Fife greenhouses which he has purchased and will use the parts to increase the capacity of his houses at West Deerfield.

**Hartford, Conn.**—Considerable damage was done by fire to the greenhouses of James W. Scott, 514 Blue Hill avenue last week. One greenhouse was burned out, the potting shed was destroyed and plants were hurt from exposure.

**Mandan, N. D.**—The Mandan Flower Club was formerly launched at a meeting held in the Mandan commercial club rooms. Rev. F. W. Thompson acted as chairman. It is expected that the flower show which will be held during the height of the blooming season will arouse much interest, as a contest is planned in which valuable prizes will be awarded.

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### Obituary

Mrs. John Walsh.

Mrs. W. Walsh, wife of John Walsh, a well-known gardener of Montreal, P. Q., died on March 9.

Josiah B. Shurtleff.

Josiah B. Shurtleff, a widely known market gardener, died on March 8th at his home, 138 Cushman avenue, Revere, Mass., aged 78 years. He was an honorary member of the Boston Market Gardeners' Association. He is survived by one daughter and two sons.

Joseph Henry Burchard

Joseph Henry Burchard, aged 72 years, died on March 8th at his late home, 44 Nursery avenue, Woonsocket, R. I. Up to the time of his illness he was employed at the greenhouses of Drabble Bros., Park avenue. He is survived by his wife and an adopted son.

Asa Eldridge Brown

We regret to announce the death of A. Eldridge Brown, of the W. Atlee Burpee establishment on Thursday, March 9. Mr. Brown was born in New York City on September 29, 1854. In 1882 he accepted a position with W. Atlee Burpee & Company who were then located at 221 Church Street, Philadelphia. After attaining practical experience in the different departments of the business, Mr. Brown was made cashier and this position he occupied up to the time of his death. Mr. Brown had a wide acquaintance among the seed trade and many times represented the firm at the annual conventions of the American Seed Trade Association. He leaves no children, but a widow and a host of friends who mourn his loss.

George L. Freeman.

George L. Freeman, the well-known orchid importer and collector, died suddenly at his home in Fall River, Mass., on Thursday, March 9, following an illness of less than two days. For many years he was deeply interested in the orchid business, having formed two or more companies in Fall River, which did not materialize to any great extent. He was accustomed to go frequently on collecting expeditions to South America. Mr.

Freeman had nearly completed arrangements for another trip and intended to sail March 15. He was born in Wellfleet and was a nephew of L. D. Baker, founder of the United Fruit Co. He is survived by his widow, Catherine J. Freeman, who is at the present time critically ill. The body was taken to Wellfleet, where the Adams Lodge of Masons had charge of the funeral.

Sackville S. Bain.

Sackville S. Bain, florist, of Montreal, who was known throughout Canada as an interpreter of Scotch songs, died on Saturday night, March 10, at his residence in Westmount, P. Q., Canada. He was in his seventy-first year and died of pneumonia after a three weeks' illness.

Mr. Bain was born at Cromarty, Scotland and came to Canada settling in Montreal in 1871 at the age of twenty-six years. He founded the florists' business which still bears his

name and later established large nurseries at Verdun, of which town he was once mayor.

He was the originator and leader of the Caledonian Choir, a past president of the Caledonian Society and a member of the St. Andrews' Society. For a quarter of a century he led the children of the Presbyterian churches at their New Year gatherings.

He married Francis S., daughter of the late Col. Aubrey Woolls of Stanstead, Que., in 1874, who survives him with two sons and one daughter. The children are Dyson Bain, in his father's business; Stewart Bain, manager of the Canadian Tungsten Lamp Works, Hamilton, Ont., and Mrs. George Dies, Montreal.

### BUSINESS TROUBLES.

Eugene, Ore.—G. C. Israelson, florist, has filed a voluntary petition in bankruptcy.

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## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON March 16	ST. LOUIS March 14	PHILA. March 13
<b>Roses</b>			
Am. Beauty, Special	40.00 to 60.00	25.00 to 40.00	30.00 to 75.00
"    Fancy and Extra	25.00 to 35.00	20.00 to 30.00	35.00 to 50.00
"    No. 1	10.00 to 20.00	6.00 to 10.00	10.00 to 25.00
Russet, Hatter	4.00 to 12.00	10.00 to 12.00	6.00 to 20.00
Katherine, Richmond, Hildington, Ward, Extra	6.00 to 12.00	6.00 to 10.00	6.00 to 12.00
"    Ordinary	3.00 to 4.00	4.00 to 5.00	4.00 to 6.00
Arenberg, Rubane, Taft, Key, Extra	6.00 to 12.00	.....	.....
"    Ordinary	3.00 to 6.00	.....	4.00 to 6.00
Ophelia, Mock, Sunburst, Extra	6.00 to 12.00	8.00 to 10.00	8.00 to 10.00
"    Ordinary	4.00 to 8.00	5.00 to 6.00	4.00 to 6.00
<b>Carnations, Fancy</b>	3.00 to 4.00	3.00 to 4.00	.....
Ordinary	1.50 to 2.00	1.00 to 2.00	2.00 to 3.00
<b>Cattleyas</b>	25.00 to 50.00	50.00 to 60.00	.....
<b>Dendrobium formosum</b>	.....	.....	.....
<b>Lilies, Longilorum</b>	8.00 to 10.00	10.00 to 12.50	10.00 to 12.00
"    Rubrum	.....	4.00 to 6.00	.....
<b>Callas</b>	1.00 to 12.00	10.00 to 12.50	8.00 to 12.00
<b>Lily of the Valley</b>	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00
<b>Deisies</b>	1.50 to 3.00	1.00 to 2.00	1.00 to 2.00
<b>Violets</b>	.25 to .50	.20 to .30	.20 to .75
<b>Mignonette</b>	2.00 to 6.00	3.00 to 5.00	2.00 to 5.00
<b>Snopdragon</b>	4.00 to 8.00	2.00 to 3.00	4.00 to 10.00
<b>Daffodils</b>	2.00 to 3.00	2.00 to 3.00	2.00 to 4.00
<b>Gladioli</b>	12.00 to 10.00	.....	.....
<b>Tulips</b>	2.00 to 4.00	3.00 to 4.00	1.00 to 4.00
<b>Hyacinths</b>	2.00 to 3.00	3.00 to 4.00	.....
<b>Freesia</b>	1.00 to 1.50	.....	3.00 to 3.00
<b>Calendulas</b>	8.00 to 3.00	2.00 to 3.00	3.00 to 4.00
<b>Lilac (per 100)</b>	.....	.....	.50 to 1.00
<b>Sweet Peas</b>	.50 to 1.50	.75 to 1.00	.40 to 1.50
<b>Gardenias</b>	20.00 to 35.00	.....	.....
<b>Adiantum</b>	.....	1.00 to 1.00	1.00 to 1.00
<b>Smilax</b>	18.00 to 16.00	10.00 to 12.50	15.00 to 20.00
<b>Asparagus Plumosus, &amp; Spreng. (100 Bchs.)</b>	25.00 to 35.00	20.00 to 30.00	25.00 to 50.00

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## Flower Market Reports

**BOSTON** Bad weather has made business in this market very bad although flowers being a little scarce helps out the situation a little and prevents price slaughtering. Carnations have shortened up considerably which tends to make the bulb stock go fairly well. Bulb stock is coming in in large quantity and of good quality. Roses are being received in fair quantity but move slowly. Lilies also move slowly but callas sell well. Sweet peas are over-stocked with the best Spencers selling very cheap.

The market continues **CHICAGO** to have a very large supply of almost every kind of seasonal stock with the exception of American Beauties and lily of the valley. The Beauty situation varies more or less but, on the whole, it has not been satisfactory for a long time and many think the growing of American Beauties in large quantities has ceased to be a good commercial proposition. Other roses are so plentiful that we are very near a slump at this writing. Trade has been lighter the past week and this refers to shipping as well as local orders. The fad for the little roses continues and they often sell when the larger popular varieties of a couple of years ago are left on the counters. The great quantity of bright colored bulbous flowers is also a factor in the rose question for they meet the demand for spring suggestions and are so very attractive in their various make-ups. Carnations are in very large supply and white ones were in demand for coloring green for St. Patrick's Day, a fancy that still finds a certain amount of favor. There are plenty of lilies and a good variety of miscellaneous flowers to choose from.

The bad storm of the **NEW YORK** past few days has been a great handicap to business. Traffic has been held up and shipments greatly delayed. Trade is otherwise about as usual for the first week of Lent. There is a heavy supply of bulbous flowers with demand weak. Lily of the valley even is moving slowly. Lilies are exceedingly plentiful and sales are accomplished only at low figures. Roses are of splendid quality, more than enough for absolute needs but not sufficient thus far to make any very serious smash. The same is true of carnations. Violets are listless, only the singles having any chance.

Considering that **PHILADELPHIA** it was the first week in Lent, business here the past few days has been very good—in fact better than was expected and much better than it has been for the same period in previous years. This may be in part due to a change in the people but not entirely. The cold dark weather has held crops back so that there was no overstock and everything sold out clean at good prices. In the rose market everything sold right up all along the line. There is a scarcity in the longer-stemmed American Beauties but the medium grades are more plentiful. In carnations the demand is good and the cut not extra large so

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## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI March 13		CHICAGO March 13		BUFFALO March 13		PITTSBURG March 13	
<b>Roses</b>								
Am. Beauty, Special.....	40.00	to 50.00	35.00	to 50.00	6.00	to 75.00	60.00	to 75.00
"    "    Fancy and Extra.....	30.00	to 35.00	25.00	to 35.00	30.00	to 50.00	40.00	to 50.00
"    "    No. 1.....	10.00	to 25.00	8.00	to 12.00	5.00	to 15.00	12.50	to 15.00
Russell, Hadley.....	6.00	to 15.00	5.00	to 25.00	8.00	to 15.00	8.00	to 12.00
Killarney, Richm'd, Hill'don, Ward	10.00	to 8.00	8.00	to 10.00	8.00	to 10.00	8.00	to 12.00
"    "    Ord.	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00
Arenburg, Radiance, Taft, Key, Ex.	6.00	to 8.00	8.00	to 10.00	12.00	to 15.00	8.00	to 12.00
"    "    Ord.	4.00	to 6.00	4.00	to 6.00	4.00	to 8.00	4.00	to 6.00
Ophelia, Mock, Sunburst, Extra...	6.00	to 10.00	8.00	to 10.00	8.00	to 10.00	8.00	to 12.00
"    "    Ordinary	4.00	to 6.00	4.00	to 6.00	5.00	to 7.00	4.00	to 6.00
<b>Carnations, Fancy.....</b>	2.00	to .00	2.00	to 3.00	2.50	to 3.00	2.50	to 3.00
"    Ordinary.....	1.00	to 1.50	1.00	to 2.00	1.00	to 2.00	1.00	to 1.50
<b>Cattleyas.....</b>	40.00	to 90.00	30.00	to 40.00	40.00	to 50.00	25.00	to 50.00
Dendrobium formosum.....	10.00	to 12.00	10.00	to 15.00	10.00	to 12.00	10.00	to 12.00
Lilies, Longiflorum.....	6.00	to 8.00	6.00	to 8.00	4.00	to 6.00	4.00	to 6.00
"    Rubrum.....	6.00	to 10.00	10.00	to 12.00	8.00	to 12.00	10.00	to 12.00
Callas.....	4.00	to 5.00	3.00	to 5.00	4.00	to 5.00	4.00	to 5.00
Lily of the Valley.....	2.00	to 3.00	2.00	to 3.00	1.00	to 1.50	2.00	to 3.00
Daisies.....	.50	to 1.00	.40	to .75	.50	to .60	.50	to .75
Violets.....	6.00	to 8.00	4.00	to 8.00	3.00	to 5.00	4.00	to 6.00
Mignonette.....	6.00	to 8.00	8.00	to 12.00	6.00	to 10.00	6.00	to 10.00
Snapdragon.....	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00	3.00	to 4.00
Daffodils.....	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00	3.00	to 4.00
Gladioli.....	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00	3.00	to 4.00
Tulips.....	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00	3.00	to 4.00
Hyacinths.....	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00	3.00	to 4.00
Freesia.....	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00	3.00	to 4.00
Calendulas.....	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00	3.00	to 4.00
Lilac (per bunch).....	1.50	to 2.00	1.50	to 2.00	1.50	to 2.00	1.50	to 2.00
Sweet Peas.....	1.50	to 2.00	1.50	to 2.00	1.50	to 2.00	1.50	to 2.00
Gardenias.....	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Adiantum.....	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Smilax.....	12.50	to 15.00	12.50	to 15.00	12.50	to 15.00	12.50	to 15.00
Asparagus Plu. & Spreng. (x Bbs.)	25.00	to 50.00	25.00	to 50.00	25.00	to 50.00	25.00	to 50.00

that these also clean up very well. The market on sweet peas is brisk but at rather lower figures on account of increased supply. In orchids there is rather more activity. Cattleya Schroederae is just commencing. The mainstay is still Trianae. Gardenias are of better quality and more of them—prices receding. Lily of the valley rather on the scarce side but for some reason demand has switched on to something else for the time being. Single violets have sold better; the doubles remain a little draggy. Snapdragon has greatly improved in quality and quantity and meets with ready sale. Daffodils, daisies, mignonette, and other minor items are all fine and plentiful and bringing good prices. Double tulips go well but there is a slump and a glut in poor quality singles. White lilac is in splendid form. In greens the only item that seems to have changed recently is the dagger fern, which is scarcer and higher.

The wholesale market **ST. LOUIS** has been running along as usual the past week. Stock has been coming in quite heavy

of late while the demand has not been as good as a few weeks ago. The retailers claim that prices have been too high for this time of the year and especially when stock is coming in so heavily. Sweet peas are in great abundance. Violets are down very low. Roses hold up well in price with no oversupply of late, also carnations are high in price. Lily of the valley is scarce but other bulb stock is in plenty and reasonable in price.

The pre-Easter lull **WASHINGTON** is on in this locality and wholesalers and commission house men are hard put to move the large quantities of stock which are finding their way into this market. There is no scarcity except of locally-grown orchids and the demand is being taken care of with consignments from other places. Carnations, which have been very scarce, are now in sufficient supply. Violets are going off the market but their passing is not being felt because of the heavy production of sweet peas. The price on the latter has dropped to as

(Continued on page 38.)

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	Last Half of Week ending Mar. 11 1916		First Half of Week beginning Mar. 13 1916	
American Beauty, Special	39.00	to 50.00	35.00	to 40.00
" " Fancy and Extra	15.00	to 25.00	15.00	to 25.00
" " No. 1	5.00	to 12.00	5.00	to 12.00
Russell, Hadley	12.00	to 40.00	12.00	to 40.00
Killarney, Richmond, Hillingdon, Ward, Extra	6.00	to 8.00	6.00	to 8.00
" " Ordinary	2.00	to 6.00	2.00	to 4.00
Arenburg, Radiance, Taft, Key, Extra	8.00	to 10.00	6.00	to 8.00
" " Ordinary	2.00	to 6.00	3.00	to 6.00
Ophelia, Mock, Sunburst, Extra	8.00	to 15.00	8.00	to 10.00
" " Ordinary	2.00	to 6.00	3.00	to 8.00
Carnations, Fancy	1.50	to 2.00	1.50	to 2.00
" " Ordinary	.75	to 1.00	.75	to 1.00

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Wholesale Florists

436 6th Avenue, Between 26th and 27th Sts., New York

Telephones: 797-798-799 Farragut

Consignments Solicited

**WALTER R. SIEBRECHT CO.**

Incorporated

Wholesale Commission Florists

Orchids, Gardenias and Many Unusual  
Flowers of Quality.

114 West 28th Street  
NEW YORK

**HENRY M. ROBINSON CO. OF NEW YORK**

WHOLESALE FLORISTS

55-57 West 26th Street

Telephones, 13—8510 Madison Square

Consignments Solicited

MAURICE L. GLASS, Treasurer

## Flower Market Reports

(Continued from page 381)

low as \$5 per thousand. American Beauty roses and gardenias are more plentiful. Large quantities of blooming plants are being offered and the sale is quite good. Greens continue scarce in some lines. Fine lilies are to be had. Some very attractive window displays are to be seen here at this time. The coming of Lent has greatly depressed business and it is only by keeping constantly at it that trade is obtained. These displays as a whole are proving very effective and are coupled with judicious advertising. The retailers are very hopeful of the largest business in the history of the trade during the Easter period.

### DURING RECESS.

#### New York Florists' Club.

#### About The "Din-Dan"

AND what a thunder it is! Din-Dan? New just hold on we are ahead of our story. It happened this way. There were some of us five of us members of the New York Florists' Club, a cozy back room, having a nice quiet little dinner. The time happened to be such a nice one, as you know, to talk of good and lovely things, which just naturally led up to the Annual Dinner of the Club. Laying down his embroidery with a dull, that our dinner seemed as such a compact to make this dinner a real dinner, the kind you most about. So each and every one took the diamond stick pin from his breast, pocketed his arm and with his signature in blood.

#### Dinner Dance

Called in the Revised Version: Din-Dan

AND then the expected happened: all the married men insisted that it be a dinner dance—a party, popping, dipping, whirling, swirling dinner dance to music, really interesting.

And as usual, we husbands had to give in to the much married.

But it is not going to be an ordinary dance. That is, let it be! The tables will be all around the sides of the main hall, the main hall. In the center between the main hall and the main hall, you and your partner can trip the light fantastic while we old folks look on.

#### Lucky Number Dance



To add to the fun of all, we are going to have a lucky number dance. Each couple will have a number. Duplicate numbers will be in a hat and as shown, the couple raised stop dancing. The last couple will be awarded the beautiful silver cup which I and G. Burman Co. generously contributed.



#### The Dinner Itself

WELL, you know the Baltimore Hotel's reputation for guests, when it comes to please, looking appetizing tables.

That is all we need to say about the dinner part. And, anyway, didn't we sign a compact on that?

Tables will accommodate eight to ten persons. Let your party together.

#### Tickets

Of course, no such thing as a free lunch. As expected, the price was \$10.00 a ticket. Considering how necessary it is to the success of the occasion, the tables are, we really ought to charge more for these tickets, but as a result of our meeting, to them, it has been decided to make the charge \$10.00, which seems a round 100, really a pay.

The time is 7 p.m.

The place is Baltimore Hotel.

The day is Saturday, April 8th.

So put on your gladstone bags and come all around for festive friends and help us make this "Din-Dan" one of the happiest of happenings that has ever happened to the members.

BY ORDER DINNER COMMITTEE.

T. B. DeForest, Chairman.

Walter E. Sheridan, Secretary.

#### Boston Florists' Bowling Club.

Carbone .....	1308	vs. M. & M. ....	1303
Flower Ex. ....	1348	vs. Zinn .....	1334
Flower M. ....	1393	vs. Galvin .....	1329
B. F. C. & C. 1301	vs. Robinson .....	1395	

#### STANDING AS TO POINTS.

Galvin .....	51-29	Flower Ex. ....	38-42
Flower M. ....	47-33	B. F. C. & C. 36-44	
Carbone .....	47-33	Robinson .....	29-51
Zinn .....	44-36	M. & M. ....	28-52

The last match of the season was held on Thursday, March 16, 1916. The banquet will take place March 23, 1916. For information see C. Joseph Sloane at the Boston Flower Exchange.

#### Florists' Club of Philadelphia.

The concert of the Florists' Club at Horticultural Hall, Philadelphia, on the evening of March 11th was a great success. The Penn Charter Boys, both the glee club and the mandolin club aggregations, to the number of about fifty performers, appeared and gave their best selections. The program

## PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

TELEPHONE MAIN 2608

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M.

## NEW YORK QUOTATIONS PER 100. To Dealers Only

### MISCELLANEOUS

	Last Half of Week ending Mar. 11 1916		First Half of Week beginning Mar. 13 1916	
Cattleyas.....	20.00	to 30.00	20.00	to 30.00
Dendrobium formosum.....	35.00	to 40.00	35.00	to 40.00
Lilies, Longiflorum.....	4.00	to 6.00	4.00	to 6.00
"Rubrum.....	2.00	to 6.00	2.00	to 6.00
Callas.....	10.00	to 12.00	10.00	to 12.00
Lily of the Valley.....	3.00	to 4.00	2.00	to 4.00
Daisies.....	2.00	to 3.00	2.00	to 3.00
Violets.....	.15	to .35	.15	to .35
Mignonette.....	2.00	to 6.00	2.00	to 6.00
Snapdragon.....	3.00	to 6.00	3.00	to 6.00
Daffodils.....	1.00	to 2.00	1.00	to 3.00
Gladioli.....	12.00	to 16.00	12.00	to 16.00
Tulips.....	2.00	to 3.00	1.00	to 3.00
Hyacinths.....	1.00	to 2.00	1.00	to 2.00
Freesia.....	2.00	to 3.00	2.00	to 3.00
Calendulas.....	2.00	to 4.00	2.00	to 4.00
Lilac (per bunch).....	.50	to 1.00	.50	to 1.00
Sweet Peas.....	.25	to 1.50	.25	to 1.50
Gardenias.....	15.00	to 25.00	15.00	to 25.00
Adiantum.....	.50	to 1.00	.50	to 1.00
Smilax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, & Spreng. (100 bunches).....	15.00	to 25.00	20.00	to 35.00

## Are You Dissatisfied?

I have an unlimited market for your flowers, any variety, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty-eight years in the Cut Flower Commission Business.

Write for information or call and talk it over.

Telephone **J. K. ALLEN** 118 West 28th Street  
167 & 3058 Farragut NEW YORK

## SHAMROCKS

1 in. pots, \$3.00 per 100; 2 in., \$4.00 per 100;  
Pipes, \$5.00 per 100.

### ALL THE ROSES

Full Line of Bulb Flowers

## J. J. COAN

115 WEST 28TH STREET, NEW YORK  
Tel., Farragut 5413-5891  
A House of Progress

## HERMAN WEISS

### Wholesale Florist

Experienced, Progressive and can handle shipments of growers' product satisfactorily.

106 West 28th St., NEW YORK  
Tel. Farragut 3066.

extended to ten numbers, and was altogether one of the finest musical treats the members have ever experienced. The attendance was large and the artists covered themselves with glory. Cyril W. Taylor acted as leader of the Glee Club, and Charles F. Pennock did the same for the mandolin organization. A dance for the younger element followed the concert.

#### N. Y. Florists' Bowling Club Scores March 9.

J. Miesem .....	162	170	108
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P. Jacobson.....	147	168	154
H. C. Riedel.....	167	149	150
A. Kakuda.....	173	167	159
W. H. Siebrecht.....	143	162	
J. Feenrich.....	156	163	
W. P. Ford.....	160	154	

## GUTTMAN & RAYNOR, Inc.

A. J. GUTTMAN, President.

### Wholesale Florists

101 W. 28th St., NEW YORK

We have 20 years' experience behind us.  
Telephone, Farragut 2038-2037-558.

## D. C. Arnold & Co., Inc.

### Wholesale Florists

112 West 28th St., N. Y. CITY

Telephone, 2287 Farragut.  
Consignments Solicited.

## UNITED CUT FLOWER CO., INC.

Flowers Sold on Commission  
Consignments of  
Good Stock Solicited

PERCY W. RICHTER, Mgr., NEW YORK  
111 W. 28th Street

Established 1888 Tel. 551 Farragut

## GUNTHER BROS.

Wholesale Commission Florists

110 West 28th St., New York  
We Solicit Consignments of New England Grown Novelties.

## RIEDEL & MEYER, Inc.

### Wholesale Commission

READY FOR BUSINESS

49 WEST 28th ST. NEW YORK.

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. Dysart, 40 State St., Boston

## APHINE

Aphine Mfg. Co., Madison, N. J.  
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## APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.  
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## AUCTION SALES

The MacNiff Horticultural Co.,  
New York City  
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Elliott Auction Co., New York City.  
Plant Auctioneers  
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## AZALEAS

P. Ouwkerk, Hoboken, N. J.  
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## BASKETS

H. Bayersdorfer & Co., Philadelphia, Pa.  
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## BAY TREES

BAY TREES. Write for wholesale price-list.  
JULIUS ROEHRS CO., Rutherford, N. J.

## BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.  
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R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.  
For page see List of Advertisers.

## BEEES

Italian Queens and Bees for introducing new stock and for commercial houses. I personally select strong colonies that have young laying queens, sure to give good results. Orders booked 10 days in advance.  
W. A. SMALL, Waltham, Mass.

## BEGONIAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.  
For page see List of Advertisers.

## BEGONIAS.

Delivery from May 15th.  
Lorraine, 2 1/2 in. pots, \$12.00 per 100; Cincinnati, 2 1/2 in. pots, \$15.00 per 100; Mrs. J. A. Peterson (New), 2 1/2 in. pots, \$25.00 per 100; \$200.00 per 1000.  
JULIUS ROEHRS CO., Rutherford, N. J.

Thomas J. Grey Co., 29 So. Market St., Boston, Mass.

Begonia, Mariemont Bedder.

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## BOILERS

Kroeschell Bros. Co., Chicago.  
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King Construction Co., North Tonawanda, N. Y.

"King Ideal" Boiler.

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Hitchings & Co., New York City.

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Lord & Burnham Co., New York City.

## BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.  
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Folding cut flower boxes, the best made. Write for list. **HOLTON & HUNKEL CO.**, Milwaukee, Wis.

## BOX TREES

BOX TREES—Standards, Pyramids and Bush. Price list on demand.  
JULIUS ROEHRS CO., Rutherford, N. J.

## BULBS AND TUBERS

Hogewoning & Sons, Rynsburg, Holland and 32 Broadway, New York City.  
Spring and Fall Bulbs.  
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Arthur T. Boddington Co., Inc.,  
New York City.  
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J. M. Thorburn & Co., New York City.  
Tuberoses.  
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Ralph M. Ward & Co., New York City.  
Lily Bulbs.  
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John Lewis Childs, Flowerfield, L. I., N. Y.  
Gladioli.  
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August Rolker & Sons, New York City.  
Forcing Bulbs and Plants.  
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R. & J. Farquhar & Co., Boston, Mass.  
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Chas. Schwake & Co., New York City.  
Horticultural Importers and Exporters.  
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A. Henderson & Co., Chicago, Ill.  
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Burnett Bros., 96 Chambers St., New York.  
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Henry F. Mitchell Co., Philadelphia, Pa.  
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Joseph Breck & Sons Corp., Boston, Mass.  
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W. E. Marshall & Co., New York City.  
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Fottler Flaks, Rawson Co., Boston, Mass.  
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C. KEUR & SONS, HILLEGOM, Holland.  
Bulbs of all descriptions. Write for prices.  
NEW YORK Branch, 8-10 Bridge St.

## CANNAS

Arthur T. Boddington Co., Inc.,  
New York City.

King Humbert Cannas.

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John Lewis Childs, Flowerfield, L. I., N. Y.  
Canna Roots.

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Newest list of the newest Cannas just out. Complete assortment of the finest sorts, at remarkable rates.

Send for list today.

**THE CONRAD & JONES CO.**  
West Grove, Pa.

## CARNATIONS.

Cottage Gardens Co., Inc., Queens, N. Y.  
New Carnation Cottage Maid.  
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Wood Bros., Fishkill, N. Y.

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F. Dorner & Sons Co., Lafayette, Ind.  
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Littlefield & Wyman, North Abington, Mass.  
New Pink Carnation, Miss Theo.

## CARNATIONS—Continued

Guttman & Raynor, Inc., New York City.  
Seedling Carnation Laura Weber.  
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## CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 postpaid. I. L. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing split carnations, 25c. per 1000; 3000 for \$1.00. E. W. WAITE, 85 Belmont Ave., Springfield, Mass.

## CHRYSANTHEMUMS

Charles H. Totty, Madison, N. J.  
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Elmer D. Smith, Adrian, Mich.  
New Chrysanthemum Catalogue for 1916.  
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Guttman & Raynor, Inc., New York City.  
Lily L. (double Pink Chrysanthemum)

Alex. Guttman, also known as Gozu

Anemone Double Pompon, pale

pink.

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## COLEUS

Coleus, Golden Bedder, Verschaefeltii, Queen Victoria, Firebrand and all leading varieties, including the Pink and Yellow Trailing Queen, clean, strong, well rooted cuttings, \$6.00 per 1000. Cash with order, and satisfaction guaranteed. Send for list. Largest grower of coleus in the U. S. A. NAHLIK, 261-75 Lawrence St., Flushing, N. Y.

## CYCLAMEN

CYCLAMEN. Best strain. Separate colors or mixed, 3 in. pots, \$8.00 per 100, for May delivery.  
JULIUS ROEHRS CO., Rutherford, N. J.

## DAHLIAS

R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.

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Send for Wholesale List of whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens, J. L. MOORE, Prop., Northboro, Mass.

## NEW PAEONY DAHLIA

John Wannamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut flower varieties. Send list of wants to  
PEACOCK DAHLIA FARMS, Berlin, N. J.

IF YOU INTEND growing Dahlias for cut flowers then you will make no mistake if you will try my assortment, especially selected for cut flower production. 3 whites, 3 pinks, 1 red, 1 yellow, 1 lavender 1 fancy; all field roots, labeled true to name; per 100, 10 of each kind, \$3.00; per 1000, 100 of each kind, \$25.00, 50 at 100 and 500 at 1000 rates. Cash with order. Guarantee entire satisfaction. If interested in Dahlias, then please send for my wholesale trade list of Dahlias.

MANNETTO HILL NURSERIES,  
W. A. FINGER, Prop., Hicksville, N. Y.

## DECORATIVE PLANTS

Robert Craig Co., Philadelphia, Pa.  
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Thomas Roland, Nahant, Mass.  
High Grade Plants for Retail Florists.  
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A. M. Davenport, Watertown, Mass.  
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## EASTER PLANTS

Anton Schultheis, College Point, N. Y.  
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## FERNS

Henry A. Dreer, Philadelphia, Pa.  
Dreer's Fine Ferns for Dishes.  
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H. H. Barrows & Son, Whitman, Mass.  
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A. M. Davenport, Watertown, Mass.  
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The All-in-One Fertilizer.  
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- Highgrade Manure Compost Co.,  
New York City and Red Bank, N. J.  
Magic Humus.  
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- Pulverized Manure Co., Chicago, Ill.  
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**FLORISTS' SUPPLIES**

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- H. Bayersdorfer & Co., Philadelphia, Pa.  
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- Welch Bros. Co., Boston, Mass.  
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- FLOWER POTS**  
W. H. Ernest, Washington, D. C.  
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**FUNGICIDES**

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**GARDEN TOOLS**

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**GERANIUMS**

- R. Vincent, Jr., & Sons Co.  
White Marsh, Md.  
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- 3000 S. A. Nutt, R. C., \$10.00 per 1000;  
2000 S. A. Nutt, 3 in., \$40.00 per 1000; 3000  
S. A. Nutt, extra strong, \$50.00 per 1000.  
FRANK LEITH & SON, Haverhill, Mass.

**GLADIOLI**

- John Lewis Childs, Flowerfield, L. I., N. Y.  
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- A. Henderson & Co., Chicago, Ill.  
Forcing Gladioli.  
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**GLASS**

- Sharp, Partridge & Co., Chicago.  
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- Parshelsky Bros., Inc., Brooklyn, N. Y.  
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- Greenhouse glass, lowest prices. JOHN-  
STON GLASS CO., Hartford City, Ind.

**GOLD FISH**

- Gold fish, aquarium plants, snails, cas-  
tles, globes, aquarium, fish goods, nets,  
etc., wholesale. FRANKLIN BARRETT,  
Breeder, 4815 D St., Olney, Philadelphia,  
Pa. Large breeding pairs for sale. Send  
for price list.

**GLAZING POINTS**

- H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.  
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**GREENHOUSE BUILDING MATERIAL**

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- A. T. Stearns Lumber Co., Neponset,  
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- Lord & Burnham Co., New York City.

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- A. T. Stearns Lumber Co., Boston, Mass.  
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**GUTTERS**

- King Construction Co., N. Tonawanda, N. Y.  
King Channel Gutter.  
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**HAIL INSURANCE**

- Florists' Hail Asso. of America.  
J. G. Esler, Saddle River, N. J.  
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**HARDY FERNS AND GREEN GOODS**

- Michigan Cut Flower Exchange, Detroit,  
Mich.  
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**HARDY PERENNIALS**

- Bay State Nurseries, No. Abington, Mass.  
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- Pallsades Nurseries, Sparkill, N. Y.  
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**HEATHER**

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**HEATING APPARATUS**

- Kroeschell Bros. Co., Chicago.  
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- Lord & Burnham Co., New York City.

**HOT BED SASH.**

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- S. Jacobs & Sons, Brooklyn, N. Y.  
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- Foley Greenhouse Construction Co.,  
Chicago, Ill.  
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- A. T. Stearns Lumber Co., Neponset, Mass.  
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- Lord & Burnham Co., New York City

Standard hotbed sash, 1½ in. thick, with  
crossbar, 80c. each; lots of 25 and over, 75c.  
each. Blind tenons; white leaded in joints.  
The life of a sash depends on this construc-  
tion. We GUARANTEE our sash to be  
satisfactory or refund your money. Glass,  
6 x 8, 8 x 10, 10 x 12, or 10 x 14, \$1.50 per  
box of 50 sq. ft. C. N. ROBINSON & BRO.,  
Dept. 29, Baltimore, Md.

**HOSE**

- H. A. Dreer, Philadelphia, Pa.

**INSECTICIDES**

- Aphine Manufacturing Co., Madison, N. J.  
Aphine.  
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- Nicotine Mfg. Co., St. Louis, Mo.  
Aphis Punk and Nikoteen.  
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- Eastern Chemical Co., Boston, Mass.  
Imp. Soap Spray.  
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**KENTIAS**

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**LILY BULBS**

- Chas. Schwake & Co., New York City.  
Horticultural Importers and Exporters  
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- R. M. Ward & Co., New York, N. Y.  
Japanese Lily Bulbs of Superior Quality  
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- Joseph Breck & Sons Corp., Boston, Mass.  
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**LILY OF THE VALLEY PIPS**

- Chas. Schwake & Co., Inc., New York City.  
Hobmann's Famous Lily of the Valley Pips.  
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- Loechner & Co., New York City.  
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- J. M. Thorburn & Co., New York City.  
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- McHutchison & Co., New York City.  
Berlin Valley Pips.  
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**MANETTI STOCKS—ENGLISH**

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**MARGUERITES**

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Special Offer.  
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**MASTICA**

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**NATIONAL NURSERYMAN**

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**NIKOTEEN**

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**NIKOTIANA**

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New Shrub—Lonicera Maackii.  
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- P. Ouwerkerk, Weehawken Heights, N. J.  
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- The D. Hill Nursery Co., Dundee, Ill.  
Hill's Evergreens.  
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- Bay State Nurseries, North Abington, Mass.  
Hardy, Northern Grown Stock.  
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- Bobbink & Atkins, Rutherford, N. J.  
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- August Rolker & Sons, New York City.  
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**NUT GROWING.**

- The Nut-Grower, Waycross, Ga.

**ONION SETS**

- Leonard Seed Co., Chicago, Ill.  
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**ORCHID FLOWERS**

- Jaz. McManus, New York, N. Y.  
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**ORCHID PLANTS**

- Julius Roehrs Co., Rutherford, N. J.  
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- Lager & Hurrell, Summit, N. J.

**PANSY PLANTS**

- Pansies, the big giant flowering kind,  
\$3.00 per 1000; in bud and bloom, \$5.00 and  
\$15.00 per 1000. Cash. If I could only  
show the nice plants, hundreds of testi-  
monials and repeat orders I would be  
flooded with new business. JAMES MOSS,  
Johnsville, Pa.

**PAPER POTS**

- The Cloche Co., New York City.  
Collapsible Paper Boxes.  
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**PHOENIX CANARIENSIS**

- In all sizes. Special price-list on demand.  
JULIUS ROEHRS CO., Rutherford, N. J.

**PEONIES**

- Peonies. The world's greatest collection.  
1200 sorts. Send for list. C. BETSCHEE,  
Canal Dover, O.

**In writing to Advertisers kindly mention Horticulture**

## PEACHY CYPRESS BENCHES

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McHutchinson & Co., New York City.  
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## PLANT TRELLISES AND STAKES

Seeley's Trellis Plant Stakes and Trellises. H. D. SEELEY & SONS, Elkhart, Ind.

## PLANT TUBS

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"Riverton Special"

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Rose Specialists

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Curtis' Tested Seeds.

Send with a Postage

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D. P. P. Roy, Chicago, Ill.  
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English Strain Garden Seeds.

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## SHEET MOSS (NATURAL AND DYED)

Knud Nielsen, Evergreen, Minn.  
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## SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and  
orchid baskets always on hand. LAGE  
& HURRELL, Summit, N. J.

## SHELF BRACKETS

Metropolitan Metal Co., Brooklyn, N. Y.  
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Standard Thermo Co., Boston, Mass.  
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## STRAWBERRY PLANTS.

Strawberry Plants, sixteen varieties, at  
\$2.50 per 1000. Catalogue free. BASIL  
PERRY, Georgetown, Delaware.

## SWEET PEA SEED

Art. C. ... .. Cal.  
Gold Medal of Honor Winter Orchid Sweet  
Peas.

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## TREE SURGERY

The ... ..  
Have Your Trees Examined Now.

## TIER ROSES

J. M. Thorburn & Co., New York City.  
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H. Bayersdorfer & Co., Philadelphia, Pa.  
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Reed & Keller, New York City.  
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WILLIAM E. HEESHERS WIRE  
WORKS, 264 Randolph St., Detroit, Mich.

## WHOLESALE FLORISTS

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Albany Cut Flower Exchange, Albany, N. Y.

## Baltimore

The S. S. Pennock-Meehan Co., Franklin  
and St. Paul Sts.

## Boston

Welch Bros. Co., 226 Devonshire St.

Patrick Welch, 262 Devonshire St., Boston,  
Mass.

## Brooklyn

Wm. H. Knebler, 28 Willoughby St.

## Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.

## Chicago

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Michigan Cut Flower Exchange, 264-266  
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H. E. Froment, 148 W. 26th St.

James McManus, 106 W. 25th St.

W. C. ... ..

P. J. Smith, 131 West 26th St., N. Y.

George Hentz & Nash, 35 and 57 W. 26th St.

Charles ... ..

## W. P. Ford, New York

J. K. Allen, 118 West 26th St., New York

The S. S. Pennock-Meehan Co., 117 West  
26th St.

Caendly & Schenck, 436 6th Ave., between  
26th and 27th Sts.

Radley & Bishop, Inc., New York.

... ..

Riedel & Meyer, Inc., 49 West 26th St.,  
New York City.

George C. ... ..

John Young & Co., 57 West 26th St.

M. C. Ford, 121 West 26th St.

B. S. ... ..

aited Cut Flower Co., Inc., 111 W. 26th St.  
J. M. ... ..

... ..



A FIELD OF PACHYSANDRA TERMINALIS AT OLD TOWN NURSERIES.

## Evergreens, Shrubs and Perennial Plants

Headquarters for

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TERMINALIS**

**OLD TOWN NURSERIES**

**SOUTH NATICK, MASS.**

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New York City

Henry M. Robinson Co., New York City

W. R. Stebrecht, 114 West 28th St., New  
York City.

Herman Weiss, 106 West 28th St.

J. J. Conn, 115 West 28th St.

### Philadelphia

Leo, Niessen Co., 12th and Race Sts.

Edward Reid, 1619-21 Ransdell St.

The S. S. Pennock-Meehan Co., 1606-20  
Ludlow St.

Richmond, Ind.

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Rochester, N. Y.

George B. Hart, 24 Stone St.

### Washington

The S. S. Pennock-Meehan Co., 1216 H St.,  
N. W.

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Business Building in Horticultural Lines Without Counting in the Readers of "Horticulture."

*"It Can't Be Done"*

Four Special Numbers  
Coming

**GET BUSY!**

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#### A CUT-AND-COME-AGAIN RED CARNATION.

Wm. A. Dawson, Willimantic, Conn.  
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#### BEST BEAUTIES.

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#### EVERGREENS, SHRUBS AND PERENNIAL PLANTS.

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M. Van Waveren & Sons, Ltd., Hillegom,  
Holland, and 17 State St., New York City.  
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#### ONION SEEDS—ONION SETS.

Schilder Bros., Chillicothe, Ohio.  
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#### PURE PLANT FOOD FOR YOUR GARDEN AND LAWN.

Highgrade Manure Compost Co., New York City.  
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#### THE FOURTH NATIONAL FLOWER SHOW.

S. S. Pennock-Meehan Co., Philadelphia, Pa.  
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### HELP WANTED

**WANTED**—By prominent retailer in a Massachusetts city, a good store man who can make up, sell, decorate, etc. An all-around man who can relieve the proprietor of some of the detail responsibilities. Address "H. R.," care HORTICULTURE.

**WANTED**—A man to take charge of the packing shed of a large ornamental nursery. Must be steady and abstemious; must have a good knowledge of ornamental nursery stock. Good permanent position for the right man. State age, experience and give references to "F. N.," care HORTICULTURE.

**WANTED**—A man to take charge of the transplanting work in a large ornamental nursery. Must be steady and abstemious. Must have practical knowledge of the care of nursery stock. Permanent position for the right man with the opportunity to become outside foreman. State age, experience and give references to "F. N.," care HORTICULTURE.

### SITUATIONS WANTED

**SITUATION WANTED**—By married man, 34 years old, 12 years nursery experience, 6 years as foreman. Address "V. G.," care HORTICULTURE.

**SITUATION WANTED** by Head Working Gardener; English; on private estate; life's experience in all branches of Horticulture; good references; married, no family. E. care HORTICULTURE.

**SITUATION WANTED** By single man, 16 years' experience in all branches; first class references. Intend to change by 15th of April on private estate. Address "B. S.," care of HORTICULTURE.

**SITUATION WANTED**—Young man, married; having ability, knowledge and willing worker. For particulars, apply to "F. B.," Twombly Estate, Convent, New Jersey.

**WANTED**—Situation as second gardener; married, age 34. Six years' in present place. Greenhouse experience; roses, carnations and general stock. Address "P. R.," 56 Prescott St., No. Andover, Mass.

**SITUATION WANTED**—Florist and gardener; married, no family; served 35 years; sober; 14 years' American experience in general line of greenhouse work and gardens; able to take charge of Florist's or private place. "A. M.," care HORTICULTURE.

### FOR SALE

**FOR SALE**—Fresh from factory, new; 10x12, 16x18, 16x24. Double thick. A and B qualities. Market dropped. Now is the time to buy and save money.

PARSHLEFSKY BROS., INC.  
215-217 Havemeyer St., Brooklyn, N. Y.

**FOR SALE**—Modern Greenhouse Plant, located in city of Tampa, Fla. Address E. A. CHURCHILL, 41 Royal St., Lowell, Mass.



### ALUMNI OF THE N. Y. FLORISTS' CLUB.

At a meeting held on Monday, March 13th, the ex-presidents of the New York Florists' Club effected an organization to be known as the Alumni of the New York Florists' Club, in which, at present, only past presidents of the club are eligible to membership. There were but three absentees. Alexander S. Burns, the oldest ex-president and at the present time a member of the club, was chosen president and Joseph A. Manda, secretary and treasurer of the new organization.

The call for the meeting was signed by "the committee," one of which was Frank H. Traendly. Mr. Traendly does not claim the idea originated with him, but grew out of a wish expressed by several ex-presidents to keep alive the memories and traditions of the New York Florists' Club and for social recreation. It is said the idea originated with Patrick O'Mara.

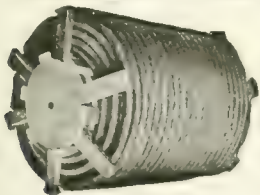
There were present at this meeting, Alex. S. Burns, Patrick O'Mara, Albert Manda, Frank H. Traendly, Chas. H. Totty, John B. Nugent, Walter F. Sheridan, Joseph A. Manda, Harry A. Bunyard and A. L. Miller.

The next meeting will be held prior to the next regular meeting of the club, the second Tuesday in April.

### CATALOGUES RECEIVED.

Palisades Nurseries, Inc., Sparkhill, N. Y.—Palisades Popular Perennials. One of the best examples of fine catalogue making we have seen this season, from the standpoint of utility, originality and typographical excellence. Hardy perennials are the leading feature and the lists are extensive and up-to-date. This book will be sure to rivet the attention of the garden maker and hardy plant lover.

Hohn & Olson, The Park Nurseries, St. Paul, Minn.—This is a very handsome work, highly artistic in every feature. Its title, "Creating a Landscape," is well justified in the excellence and appropriateness of the contents. Plants for special places and purposes are fully described and cultural notes, etc., of direct practical application add permanent value to the book. It is educational in its scope and cannot fail to bring a host of patrons within the circle of influence of this enterprising firm. There are several beautiful garden views in natural colors.



### NON-KINK WOVEN HOSE

In All Lengths  
14c per foot  
With couplings  
Unequalled at the  
Price  
Remnants shorter  
than 25 feet 10c  
per foot, coupled.

### METROPOLITAN MATERIAL CO.

1292-1414 Metropolitan Ave., Brooklyn, N. Y.

### STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capital, write us, we can save you money.

W. H. ERNEST

28th & M Sts., Washington, D. C.

Use This  
Pure Plant  
Food



For Your  
Garden and  
Lawn

### A SHREDDED MANURE HUMUS COMPOST

MAGIC HUMUS is a pure plant food unleached and unburnt. Its analysis proves that it contains potash and phosphoric acid. These essentials, together with Compost make a ready soil builder.

MAGIC HUMUS is the one Compost that possesses the body and fibre to absorb and retain nature's moisture a long time after it is put into the ground.

Ordinary commercial fertilizer contains no Humus, cannot spread its fertilizing properties and is only available to the soil in the spot where the material is drilled in.

MAGIC HUMUS spreads itself and enriches the soil all around. It comes to

the gardener after months of careful preparation, thoroughly dried by Nature, free from weed seed, without the odor so peculiar to other fertilizers, is sanitary and agreeable to handle.

MAGIC HUMUS can be used on the top of sand or hard ground as a soil, or cultivated into the ground in the garden with a hand cultivator or plow.

The garden receiving a liberal application of MAGIC HUMUS Compost is permanently enriched with plant food and soil.

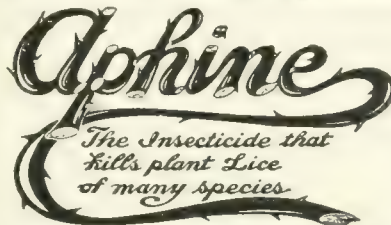
Seven 100 lb. Bags \$5.00  
Single Bag, 100 lbs., 90c.

f. o. b. New York or Jersey City on any railroad or steamboat line.

### HIGHGRADE MANURE COMPOST CO.

G. W. CHANDLER, Sales Agent

533 West 29th St., New York or 68 Maple Ave., Red Bank, N. J.



The Recognized Standard Insecticide.  
A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$4.50.

### NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

Quart, \$1.50; Gallon, \$4.50.

Until further notice shipments on our products FUNGINE, VERMINE and SCALINE will be subject to conditions of the chemical market.

Prompt shipments can be guaranteed on APHINE and NIKOTIANA.

Aphine Manufacturing Co.  
MADISON, N. J.



is a small pamphlet of big ideas that you should send for at once. It tells how thoroughly, quickly and cheaply you can rid your orchard of all scale, larvae, eggs and fungi. It describes "scalecide the one great dormant spray," which mixed 1 to 15, is guaranteed to kill every scale it reaches. One barrel equals three barrels of lime sulphur and there is no spray more simple, safe or effective.

### Our Free Service Department

is for your special benefit. Question us about any orchard and garden sprays and I will send you the time, experience is yours for the asking.

Write TODAY  
B. G. Pratt Co., Dept. 12  
50 Church St., N. Y.

The New Orleans Horticultural Society will hold a spring exhibition early in April in the Athenaeum.



Unequalled for Greenhouse and Landscape Fertilizing

### THE PULVERIZED MANURE CO.

31 Union Stock Yards, Chicago



### IMP. SOAP SPRAY

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

LOOK FOR THE IVY LEAF TRADE MARK.

Ask your dealer or write

EASTERN CHEMICAL CO., BOSTON



### NIKOTEEN

For Spraying

APHIS PUNK

For Fumigating

Ask Your Dealer For It

NICOTINE MFG. CO.  
ST. LOUIS



## ON GUARD!!

**No Greenhouse Man** can afford to take the risk of leaving his place unprotected against the possibilities of overheating or frost, when absolute safety against either of these contingencies can be assured by installing the **faithful, sleepless, watchman**, whose portrait appears herewith. All you have to do is to set the hands—one at minimum and the other at maximum temperature limit and the Thermostat will give instant warning if temperature goes above or below.

*All This for \$5.00*

**STANDARD THERMO CO.** 65 Shirley Street,  
BOSTON, MASS.

**KING CONSTRUCTION COMPANY, North Tonawanda, N. Y.**

**GREENHOUSES**

**We Claim Maximum Strength and Minimum Shadow. Investigate**

**SHARP, PARTRIDGE & CO.**

Are Leaders in

**GREENHOUSE GLASS**

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.



### When Building

New houses or repairing the old ones, it will pay you to write us and get one of our catalogs. We manufacture **Advance Ventilating Equipment** and a complete line of **Greenhouse Fittings**. Illustrations, descriptions and net prices right in the catalog. **Advance** stand for quality and service.

**ADVANCE CO.**  
RICHMOND, IND.

**GREENHOUSES BUILDING OR CON-  
TEMPLATED.**

Burlington, Kan.—Victor King, one house.

Pueblo, Col.—F. W. Jahn, range of houses.

Sewell, N. J.—Sunset Gardens, King house.

Florence, Kan.—J. H. Shaw & Son, one house.

Greenville, Mich.—Greenville Floral Co., additions.

Denver, Col.—F. Hall, Josephine St., house 75 x 140.

Waltham, Mass.—Peirce Bros., house 50 x 300.

Toledo, O.—Harry Heintz, additions and alterations.

Morris, Ill.—George Heath, carnation house 32 x 150.

Hagerstown, Md.—Harry A. Bester & Sons, rebuilding.

Edwardsville, Ill.—Woodlawn Gardens, two 150 ft. houses.

Houston, Tex.—Boyle & Pendarvis, Avenue A, range of houses.

Charleston, W. Va.—Charleston Cut Flower & Plant Co., additions.

Roelofs, Pa.—Joseph Heacock Company, propagating house 15 x 300.

Montgomery, Ala.—Rosemont Gardens, Carter Hill Road, house 35x200.

New Albany, Ind.—John G. Bettman & Son, two rose houses each 28 x 200.

Clinton, Mo.—T. L. Snodgrass, East Ohio street, house 24 x 200 and lean-to 12 x 200.

Joliet, Ill.—Labo Floral Co., one house 30 x 200; one house 42 x 200, Moninger construction.

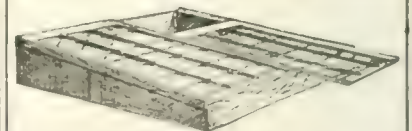
## GLASS

**Greenhouse Material  
Hot Bed Sashes**

Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of **Specially Selected Glass** in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at **Rock Bottom Prices**.

**PARSHELSKY BROS. Inc.**

215-217 Havemeyer St., Brooklyn, N. Y.



**HOTBED SASH at 75c. each**

Made of best grade Gulf cypress.

**Glazed Hotbed Sash from \$1.65 up.**

**Double Light Sash up to \$4.00.**

We carry a large stock of all sizes.

Write us for estimate.

**S. JACOBS & SONS**

359-1385 Flushing Avenue BROOKLYN, N. Y.

### MOST PRACTICAL Shelf Bracket

MADE



20c  
With Nuts  
Complete

On this Shelf Bracket 2 6-inch boards; or 2 1-inch, or 1 1/2 inch pipes are placed, and can be lapped for other sizes of wooden material.

**METROPOLITAN MATERIAL CO.**

1392-1414 Metropolitan Ave., Brooklyn, N. Y.

**E. A. LIPPMAN  
GREENHOUSE SHADING**

Write for Particulars

6 High St., Morristown, N. J. Phone 68 M.

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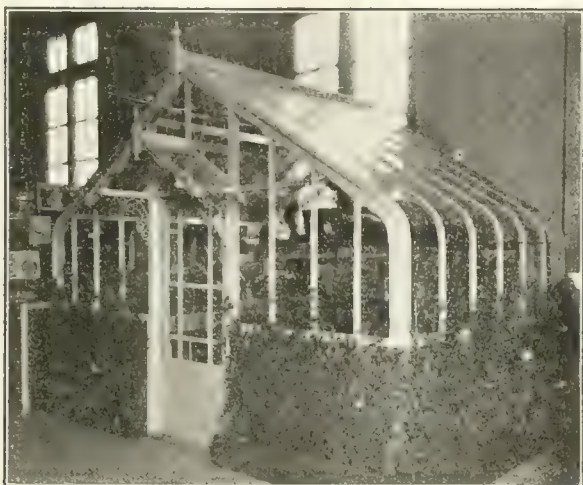
Difficult and rejected cases specially solicited. No misleading inducements made to secure business. Over 30 years' active practice. Experienced, personal, conscientious service. Write for terms. Book free. Address,

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PATENT LAWYERS

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Washington, D. C.

## WE'LL BE THERE



**Come and see our Greenhouse Exhibit at the Flower Shows  
We'll be in Philadelphia and New York**

We never miss an opportunity to tell you, by way of this paper, about the satisfaction, dependability, security and economy of the Metropolitan Patented Construction.

Now come to the show and see for yourself.

It will pay you to see our exhibit—a real Metropolitan Greenhouse, nothing fancy, nothing unusual, just the same as we would erect for you.

You will find our attendants ever courteous, and willing to assist you with your Greenhouse problems.

We go anywhere in the U. S. to submit plans and prices.

### METROPOLITAN MATERIAL CO.

Patented Greenhouses

1392-1414 Metropolitan Ave.

BROOKLYN, N. Y.

## FOLEY MATERIALS

ARE THE BEST FOR

### Iron Frame, Pipe Frame or Wood Frame GREENHOUSES

Estimate and Sketch Submitted Promptly

**THE FOLEY GREENHOUSE MFG. CO.**

3275 West 31st Street,

CHICAGO, ILL.

## CYPRESS GREENHOUSE STOCK

PECKY CYPRESS BENCH STOCK

HOT BED SASH

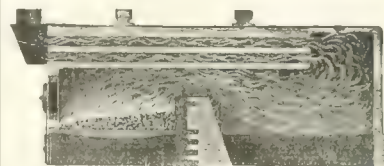
*Ask for Circular D and Prices*

**THE A. T. STEARNS LUMBER COMPANY**

NEPONSET, BOSTON

## KROESCHELL BOILER

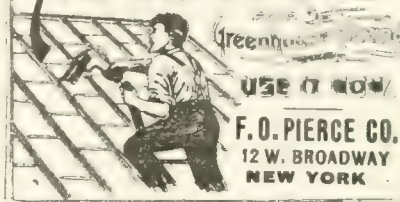
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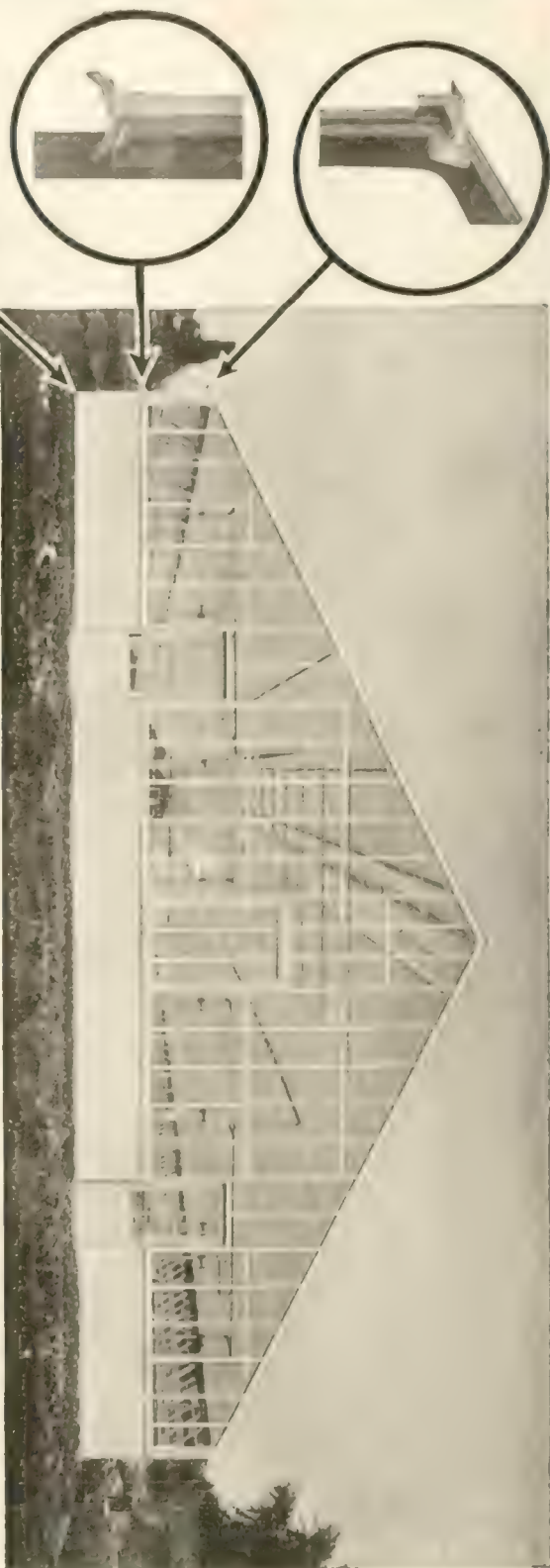
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## MARCH 25, 1916

### VOL. XXIII NO. 13

St. Louis

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## ROSES

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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be promptly received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Pope*.

## Care of Ficus

Now is a good time to put in a batch of cuttings. Insert in a 2-inch pot of sand and loam, tie up the leaves so that they can stand close together and plunge the pots in a propagating frame with a bottom heat of 80 degrees and keep moderately moist until they are rooted. They can also be increased by the mossing system. If kept constantly moist, in four or five weeks they will be fit to be cut off and potted. Keep them in a frame where they will have a close heat until well established, when they can be given a temperature of about 65 at night. From this time on pot or shift any of these plants that may require it. A suitable compost is three parts fibrous loam and one part of well-decayed cow manure with a light sprinkling of bone meal. When shifting pick away the drainage and as much of the old soil as possible and pot firmly. Those that you don't shift and are well filled with roots can be grown along without so much root space by giving them weekly doses of manure water.

## Easter Trade Suggestions

Good stock, plenty of it and temptingly displayed never fails to attract custom. To be well prepared for a run of good business is very often all sufficient to assure its coming. The buds of lilies should be well forward now. We shall have to do some figuring during the next ten days in moving them around so as to time the blooms to a nicety. The most advanced ones should be removed to cooler quarters while those that are backward should be given some high forcing unless too far behind. The filling of pans, baskets and other receptacles with plants other than bulbous stock should be done ten days before Easter so as to have them in shape. See that the plants are well watered or thoroughly dipped before being made up. A week or ten days before Easter we should have our stock far enough advanced so they can be hardened before they are delivered or shipped.

## Keep Palms Growing

Don't keep the glass too densely shaded and guard against an over-stagnant humidity which is only likely to occur at this season of the year and is bound to produce a soft and flabby growth. This is the season when palms make their best growth. By frequent spreading out at intervals from now up to the fall you will help to keep them in good condition. They should not be crowded into closely packed quarters now, while vegetation is so active.

## Pandanus Veitchii

Some days quite a brisk fire will be needed to keep the temperature from 65 to 70 degrees at night, whereas other days will need only a little warmth in the pipes. Ventilation to prevent sudden rising or falling of the temperature is important. They will now need some shade during mid-day. Where the plants are pot-bound they would be better for a shift now than later. Give them a compost of three parts turfy loam

to one of well rotted manure. These plants will not do well unless they have plenty of drainage. Give them room from time to time so they will not become crowded. They like some bottom heat as long as outside condition will allow. Where plants are showing a lot of suckers put a batch in small pots with a sandy mixture and plunge in a warm propagating bed to root.

## Smilax

Smilax will take lots of feeding now both in liquid manure and mulches. About once every month they should have a top-dressing of about an inch of cow manure and new soil in equal parts. Before putting on this mulch give the surface a good sprinkling of bone dust. These plants are very strong feeders. On all good days see that they have a thorough syringing, reaching every part of the foliage, as red spider will be on the rampage from this out. Look the beds over every day for dry places as this is a good starting place for red spider to spread. Give more ventilation now as outside conditions improve.

## Outside Work

This has been such a late spring we should let no good day go by without doing the most important work outside, such as pruning and getting frames in order so that in a few weeks we shall be able to give some room in our crowded houses. Making up more hot beds for warm blooded stock, hauling manure to beds and borders, etc., are all in order now.

## Carnation Matchless

MR. FARRELL:

Dear Sir—Will you kindly advise me what to do with my carnations Matchless? I planted in July in the ordinary manner, and a bench adjoining of White Wonder are excellent. Matchless refuses to flower profusely up to the present. What flowers mature are fearfully small. The plants are hardy and very green. Does this variety require higher temperature than the other kind? What is the reason of their backwardness? I feed once a week with weak liquid horse manure. Any advice I certainly shall appreciate, as I have seen it in some localities so prolific.

Yours very truly,

New York.

W. D.

In answer to the above it is very hard to say what the matter is. It may be that you propagated rather late and the plants have not had time to grow into full strength. The best growers regard a night temperature of 50 to 52, 10 to 15 degrees higher during sunshine, and during dark or cloudy days 55 to 57 degrees as high enough. Liquid cow or sheep manure are better than that made from horse manure. Give plenty of ventilation as there is nothing better than fresh air to keep the atmosphere of the houses sweet. It may be that your plants are attacked by aphids, thrips or red spider; look them over carefully. There are also quite a few diseases which would retard growth and flowering. The control and prevention of insects and carnation disease depends a whole lot upon ideal cultural conditions from first to last. The successful passing over of the critical periods of the carnation depends largely on correct temperature, ventilation and watering.

Next week—Analeas; Antirrhinums; Easter Preparations. Perennial Border; Swainsonas. Asilbe for Memorial Day

## ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur C. Ryzicka*

Communications for this column should be sent to the Editor of Horticulture, 1115 North Dearborn Street, Chicago, Ill. Communications should be addressed to the office of Horticulture.

### Cleaning Up

Although the weather has been very cold all along with plenty of snow to make it look like winter, it cannot last much longer and spring weather will soon be here. The late winter will make a good deal of work and with the rush of work inside there will be little time left to clean up outside. However, a day or two can always be devoted to cleaning, at least the worst of it, letting the rest go until later. The cleaning inside should receive prompt attention, however, and if the houses are not brushed up regularly every week see that all the old leaves, dirt, etc., are cleaned out now for the spring. There will be a great difference in the air of the house and the plants will be just that much better off. It need not take long. If the earth walks have become wet and green, dig them up a little with a pick and give them some screened coal ashes, with a little sand over this if the sand is cheap. Old propagating sand can be used if it is not needed for concrete. It is best to rake the ashes off smooth and then put the sand on after they have been trod down a little so that the sand will remain on top instead of working down into the ashes. If there are any pipes close to or right on the ground in the walks, care should be taken to lift these up for if the ashes came in contact with them they would not last very long. Ashes seem to eat right through the pipes, whether they are galvanized or not. Lime is not very expensive so it will be of great benefit to the plants to scatter a little under the benches after all the old leaves and dirt have been raked out. As fast as the old leaves are raked out and carried outside see that they are spread on the fields and plowed in at once, instead of letting them lie around all summer. Also see that the heaps of leaves that have been picked off the plants in the winter are all hauled away and disposed of. Not only do they make a place unsightly, but these heaps will breed insects which are injurious to roses, as well as fungi which are even more dangerous. Keep the place clean, inside and out, and it will look much more prosperous and will become more so through order, which is absolutely necessary to make any business pay, no matter how small.

### Liquid Manure

If no manure is on hand which can be made into liquid, see that some is ordered as early as possible, for it will be necessary to feed the plants quite heavily as soon as the sun comes out to stay. Even with the few sunny days we have had the plants are already showing more vigor and if they are given all the liquid manure they will take the roses that will be cut during May and June will fully pay for the extra trouble. Liquid manure can be mixed as strong as the pumps will take it. We get best results by mixing it a day or two in advance and then letting it stand. With this way we have never had any trouble with stopped pipes or pumps as any coarse material that may have passed through the screens will settle to the bottom and will not be floating

around in the tanks ready to get into the suction pipes. When applying it to the benches see that the soil is plenty wet enough, for should it be dry the plants are likely to take the liquid up too quick and some of the leaves are liable to get burned, to say nothing of the roots which will suffer even more. The best way we have found is to water well with clear water first and then follow with liquid applying enough to saturate the soil in the benches without running through too much. This will mean more time taken in doing the work but it will be well done and the saving of liquid manure will amount to something too, as the bill for fertilizers runs up fast enough.

### Scratching Around the Plants

Many growers will still insist on scratching around the plants, much the same as they would hoe out in the garden. Now this may be all to the good in the summer before the plants have had a chance to root into all the soil, but as soon as they are of any size, with the soil in the benches pretty well filled with roots, this scratching should be discontinued as it will do far more harm than good. It is all right in the garden where the roots seldom come into the top layer of soil as this is always too dry and hot unless protected by a good mulch, but in the greenhouse where the roots are all confined in a small space this scratching will tear a great many roots all to pieces. Most of the tiny rootlets that supply so much of the food to the plant are right near the surface; in fact they stick right out into the air if the plants are real vigorous. If manure is kept on the benches for these roots to work into the plants will grow much better and they will receive a bad check if the soil around is all scratched up and these little rootlets torn. Even when applying bone meal or tankage see that it is merely rubbed into the surface and not scratched in. There is nothing to be gained by this method, as the soil is soon settled again after the benches are watered once or twice and then the roots will start once more only to be torn up again. Keep mulch on the benches to protect these roots, and stop the scratching. Even when watering see that the water is put on very gently so that all the mulch is not washed away to the center of the benches, leaving the front row with roots all

### Watering

The foregoing reminds us of the habit some growers have of watering from one side only, watering across the whole bench. What can be gained we cannot see. It may be all right to water this way a week before a house is torn out, as by using plenty of pressure the water can be applied quicker, but in growing houses which should have the best of care we can only call this method of watering the lazy man's way. It surely is not very much extra work to water from all walks and have it done right. The top roots will not suffer and the mulch will not be piled high on one side of the benches leaving the other side all bare. It will also save mulch to water

from all walks, for watering all the way across the bench will knock a good deal of mulch over the edge and into the walks. The only time to water all the way across is when the plants are real dry and then they can be watered from all the walks, watering across the whole bench, which will give the plants water twice, and will make sure that there are no dry spots. In doing this, however, it is best not to use too much pressure, so the surface is not disturbed at all, or very little. When watering on clear days from now on it will not hurt to wet the bottom leaves or the plants themselves providing they are not too dry. If not dry, and the water is allowed to come into contact with the lower portion of the plant it will help soften the wood somewhat and will thus induce them to break from the bottom. On cloudy days it should not be done, however, as it will be better for the plants to be dry, especially in houses that are damp under the benches, or that leak badly. This will apply to all roses, save the Beauty. With these we would rather not wet the foilage except when it is absolutely necessary, as this rose is more apt to get spot than

any variety we know of, and with plenty of wood on the plants very little sun will reach the lower part and the result will be that they will not dry off well and in time blackspot is sure to appear.

### Supplies for the Summer

Materials for repairs and other supplies such as bone, manure and tobacco, will not be any cheaper later on, and the grower who is wise will figure out his needs now and place his orders so that if anything happens to the supplies while they are traveling, and they happen to be delayed a long time owing to congestion of the railroads or some other trouble, they will still arrive on time. Greenhouse builders will be busier this spring than they have been for a long time, owing to the severe weather, and if there is any lumber, glass, putty, etc., to be bought, order it now, and have it on the place, so that it will be right there when it is wanted. The list should be complete, right down to nails, which by the way have already advanced and will no doubt go up still more as the companies manufacturing these can get other work which is far more profitable.

## Saxifraga II

The question whether it is possible in our climate to succeed with the low growing alpine saxifragas, forming dense evergreen tufts of very attractively lobed or clefted small foliage, seems still an open one. For the northern boundary states I have no doubt that the answer will turn out in the affirmative. South of New York my experiences with plantations exposed to the full sun were not encouraging. Placing them on slopes or inclines facing northerly or otherwise shaded by nearby shrubs or trees during midday and the early afternoon hours improves conditions. Plants I kept on trial in favorable situations grew normal at Glenside, Pa., during last summer. With a more thorough study of the particular requirements on our part I believe the American rock garden of the future can be made the display ground of saxifragas. Their bright sheets of myriads of graceful white, pink and red blossoms literally covering the vivid green carpet of foliage beneath, possess a charm of their own. Being at their best during April, May and early June, they greatly add in bringing the total aspect of a rock garden up to a vernal beauty which has no comparison.

*Saxifraga Camposi* merits our attention for it is the largest flowering early white species. Of the other white representatives in this class recommendable for trying I mention *hypnoides*, *Stansfieldi*, *muscoïdes* and *Sternbergi*; the latter being the best large flowering late.

According to European reports of recent years the red, pink, and white forms of *Saxifraga decipiens* rank among the showiest in cultivation. Their usefulness is not limited to rockeries. We see them frequently employed for edging purposes in herbaceous flower gardens. Our illustration, a reproduction of a photograph of the rock garden of George Arends in Ronsdorf, Germany, shows the effect of his latest improved forms of *decipiens grandiflora* in the foreground of the picture.

While in Maine your correspondent tried *Saxifraga Rhei* and *Rhei superba*. The climate being exceptional-



SAXIFRAGA DECIPIENS GRANDIFLORA.

ly favorable the result was a very satisfactory effect from the seedlings in their second year. *Rhei* flowers very freely, so does *Rhei superba*. The large sized blossoms of the latter are deep rose-pink and in their abundance extraordinarily showy.

With our native wild mountain denizens alone we shall not be able to produce and maintain the richness in color desirable for the rockery as an occasional feature of refined home grounds. The consequence will be a steadily increasing demand for choice and effective rock garden plants. Our northern growers have the great advantage of favorable climatic conditions. It is now for the wide-awake to study opportunity and in time avail themselves of it.

*Richard Rothe*

Glenside, Pa.

**NEXT  
ISSUE**

## National Flower Show Number

Full Story of the Great Event. They'll all read it and they'll read it all. Tell them what you have to sell. Send Advertising Copy NOW.



# SPRING EXHIBITION AT BOSTON

The Massachusetts Horticultural Society encountered some pretty rough treatment by the weather man in its well-meant efforts to give the people of Boston an advance treat of spring verdure and floral beauty. With unseasonable low temperatures and snow piled up everywhere during the week it was almost impossible to transport exhibits except in big heated vans. Notwithstanding all this, however, the determination and loyalty of the

old stand-by exhibitors was equal to the task and a splendid exhibition was put up, which comfortably filled the three halls in Horticultural Building, and the admiring public did the rest, especially on Sunday, when it is said the attendance numbered 5,000.

Taking up the exceptional things first we would first mention the spacious garden arranged by R. and J. Farquhar & Co., which occupied one end of the large exhibition hall. It was a well-arranged formal garden with a fountain and basin in the centre around which nodded the lovely flowers of Liliun regale, filling the whole area with perfume. The various beds of bright bulbous material were laid out with encircling tan-bark walks and the whole parterre set in a forest of lilacs, tall standard laburnums and wisterias in bloom, great masses of rhododendrons and azaleas, etc. This was awarded a gold medal. The bulb flower display arranged with Phoenix Roebeleni, by Weld Farm, gardener Duncan Finlayson, was the richest in composition, quality and arrangement we can recall having seen here. Many of the newer tulips were here seen. Equally sensational was the great collection of narcissi by A. W. Preston, gard J. L. Smith. Herman Bartsch of the W. W. Edgar Co. was as proud as a peacock over his success in the prize competitions, every prize awarded to him being a 1st, and this including the premier honor on big group of foliage and flowering plants and that for hard wooded greenhouse plants which was on this occasion wrested from the private gardeners—first time on record, we believe. *Acacia venticillata* and *Rhododendron White Pearl* were among the outstanding ornaments of the Edgar groups.

The orchids were a prime attraction. Much interest attached to a plant in flower under a glass case, of *Sopbro-Cattleya Thwaitesii*, which won a first-class certificate of merit,



PLANT GROUP BY WM. T. WALKER OF SALEM.

Spring Show of Massachusetts Horticultural Society.

and a specimen plant of *Odontioda Bradshawiae* bearing a spike of sixty-five flowers, for which a silver medal was awarded. This and the preceding, as well as a superb collection of rare blooms came from C. B. Dane, gard. Donald McKenzie. A first-class certificate was given to a noble collection of varieties of *Dendrobium nobile* in pots, from Walter Hunnell, gard. T. D. Hatfield. 1st prize for orchard plant group was won by Mrs. C. G. Weld, gard. W. C. Rust. This exhibitor got a first-class certificate for a vase of superb antirrhinums. *Calanthe* Wm. Murray, shown by Mrs. J. L. Gardner, gard. Wm. Thatcher, made a fine show; long spikes of bloom, white with crimson blotched lip.

Of all the novelties shown none impressed us more forcibly as having a splendid commercial future, than the beautiful little *Primula malacoides rosea*, sent by F. H. Lemon Co., of Richmond, Ind. It received a well-merited certificate of merit. *Cineraria stellata* made a much greater showing than *C. hybrida*. This graceful species has taken the lead in these exhibitions each year more and more. Our picture shows a group of plants by W. T. Walke, florist, of Salem, which included some exceptional French hydrangeas, not for competition.

The list of awards in the competitive classes for cinerarias, cyclamen, (always grand in Boston), schizanthuses, ericas, hyacinths, tulips, narcissi, lilies, palms, primulas, etc., was quite lengthy, the names of Weld Garden, Miss Cornelia Warren, Mrs. J. L. Gardner, A. W. Preston, Mrs. C. G. Weld and Mrs. Lester Leland being oft repeated. The special prize offered by the Gardeners' and Florists' Club of Boston, for ten cyclamen, was won by Mrs. Lester Leland, gard. Eric Wetterlow.

The cut flower section was well represented, especially in the carna-

tion exhibits which were of a very high quality. A. A. Pembroke, Strouts, S. J. Goddard and Mrs. E. K. Farr were the principal exhibitors. Honorable mention was given to S. J. Goddard for carnation Doris, to W. R. Nicholson for seedling No. 51 and F. Dorner & Sons Co., for vase of seedlings. In roses, Waban Conservatories made an unbroken record for 1sts in every class and we never expect to see Killarney Queen in more royal splendor

than on this occasion. Wm. Sim had it all his own way with sweet peas, Edward Bingham won 1st in all the violet classes, and Osgood Bros. of Everett showed pansies, in selfs and bronze colors of an unusually fine strain. There were quite a few unusual things shown in the various groups, such as perennial delphiniums and *Buddleia magnifica*, and T. T. Watt came in with some fine blooms of Moutan peonies. *Rhododendron Kaempferi* made its first appearance forced in quantity in the plant groups and is evidently "in it to stay."

Henry R. Comley, Caplan, Houghton & Gorney Co. and Boston Cut Flower Co., were represented by other retailers' arrangements. Houghton Gorney Co., were represented by table decorations and other retailers' arrangements. Houghton Gorney Co. showed a bridal bouquet of lily of the valley and *Phalaenopsis amabilis* which was a gem. The painted wooden parrots and other bird effigies which "adorned" their collection must have been invented by somebody afflicted with a bad case of brain storm. Such things might go in a toy shop, but they have no place in a flower show. The next big show in Boston comes May 10 to 14 and it will be a big one for sure.

## MASSACHUSETTS HORTICULTURAL SOCIETY.

The concluding lecture in the Horticultural Hall Course of winter lectures on subjects of horticultural interests will be given Saturday, March 25, at two o'clock, by Frank N. Meyer of Washington, D. C. Mr. Meyer is the explorer of the United States Department of Agriculture and will give some of the results of his travels in Northern China and Siberia in search of hardy plants suitable for cultivation in the United States. The lecture is free and will be illustrated by lantern slides.

Wm. P. Rich.

# NATIONAL FLOWER SHOW

Philadelphia, March 25 to April 2

## ALL READY

AND READY TO DO THE HARD and faithful work the greatest horticultural event of the year is ushered in. As the issue of HORTICULTURE reaches its readers in the Flower Show City. The National Flower Show Committee has worked with an earnest purpose, the Philadelphia men have done their best in the herculean task with which they were confronted, HORTICULTURE has tried to help to the fullest extent of its ability and there is nothing left now but "watchful waiting" for the returns upon which so much of the future of progressive horticulture now depends.

We present in the pages of this issue the portraits of some of the men who have been entrusted with the heavy responsibilities of this enterprise. Many others—unassuming but earnest laborers on the committees to which they were assigned—might well be included in this collection of portraits and we only regret that it is not possible for us to portray the features of every one of them. Whatever of success may be attained, let us not forget to give due credit to the private in the ranks.

Directly associated with the Society of American Florists and Ornamental Horticulturists in this colossal Flower Show of 1916 are the Pennsylvania Horticultural Society, American Rose Society, American Carnation Society, Florists' Club of Philadelphia, American Sweet Pea Society, American Gladiolus Society, National Association of Gardeners, American Dahlia Society, Chrysanthemum Society of America and Florists' Telegraph Delivery, and to this list might be added the names of a score or more of floral organizations far and near whose sympathy, influence and cordial wishes are extended for the success of this gigantic undertaking. The roll of honor, comprising the working forces, the guarantors, the contributors of prizes, the trade exhibitors, without whose support financial success would be almost impossible, and many others, is a lengthy and brilliant one representing every section of this great country, as will be seen by perusing the very complete 76 page schedule which Secretary Young has compiled. We hope to be able to tell our readers in the next issue how those \$20,000 worth of premiums were distributed and lots of other news which every member of the craft will be eager to know. More we need not say now. Congratula-



GEORGE ASMUS

Chairman National Flower Show Committee.

tions and good wishes. May every promise be fulfilled and every hope more than realized.

**Important Notice**—The National Flower Show at Philadelphia will not be open to the public on Sunday. Members of the S. A. F. and all affiliating and co-operative organizations will, however, be admitted on Sunday, but no one else.



JOHN YOUNG

Secretary and Manager Trade Exhibits.

## STAGING DAYS.

Saturday, March 25.

CLASSES TO BE STAGED AND

Plants in Flower—Private Growers. Nos. 1 to 65 inclusive.

Cut Flowers—Private Growers. Nos. 66, 67.

Palms and Foliage Plants—Private Growers. Nos. 75 to 102 inclusive.

Ferns and Selaginellas—Private Growers. Nos. 110 to 124 inclusive.

Orchids, Plants—Private Growers. Nos. 130 to 149 inclusive.

Bulbs, in Flower—Private Growers. Nos. 160 to 234 inclusive.

Roses in Pots and Tubs—Private Growers. Nos. 250 to 263 inclusive.

Flowering Plants—Open Classes. Nos. 320 to 327 inclusive.

Cut Flowers—Open Classes. Nos. 340 to 391 inclusive.

Gladioli. Nos. 400 to 418 inclusive.

Plants in Flower—Commercial Growers. Nos. 500 to 537 inclusive.

Bulbs in Flower—Commercial Growers. Nos. 550 to 557.

Ferns and Selaginellas—Commercial Growers. Nos. 560 to 567.

Orchids, Plants—Commercial Growers. Nos. 570 to 589.

Palms and Foliage Plants—Commercial Growers. Nos. 600 to 626.

Roses in Pots and Tubs—Commercial Growers. Nos. 650 to 665.

Aquatics—Special Class.

Aquarium Exhibits—Nos. 800 to 859 inclusive.

## Monday, March 27.

Roses, Cut—Private Growers. Nos. 264 to 285 inclusive.

Roses, Cut—Commercial Growers. Nos. 670 to 723 inclusive.

## Tuesday, March 28.

Carnations—Private Growers. Nos. 300 to 308 inclusive.

Carnations—Commercial Growers. Nos. 735 to 759 inclusive.

## Wednesday, March 29.

Sweet Peas—Nos. 425 to 458 inclusive.

## Thursday, March 30.

Retail Florists' Rose Exhibits. Nos. 724 to 729.

Display of Cut Roses—Commercial Growers. No. 730.

## Friday, March 31.

Display of Carnations—Commercial Growers. Nos. 760 and 761.

Retail Florists' Carnation Exhibits—Nos. 762 and 763.

## PROGRAM OF LECTURES.

The patrons of the Flower Show are invited to attend the lectures which are free. The lecture hall is at the southwest corner of the building—with a seating capacity of 300.

The afternoon lectures will be confined to one hour, the evening lectures to one hour and fifteen minutes.

Saturday, March 25—8.00 P. M. W. N. Rudd, Home Grounds; illustrated.

Monday, March 27—3.30 P. M. Richard Rothe, Rock Gardens; illustrated. 8.00 P. M. Prof. E. A. White, Orchids; illustrated.

Tuesday, March 28—3.30 P. M. Max

## NATIONAL FLOWER SHOW COMMITTEE



PATRICK WELCH.



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## CHAIRMEN OF PHILADELPHIA COMMITTEES



FRED COWPERTHWAIT, Information.



WILLIAM KLEINHAINZ, Exhibits.



LOUIS BURK, Concessions.

combination, demonstration 8.00 P. M. Robert Pyle, Roses; illustrated.

Wednesday, March 29—3.30 P. M. Miss Caro Miller, School Gardens; illustrated. 8.00 P. M. Frank N. Meyer, Explorations in China; illustrated.

Thursday, March 30.—3.30 P. M. Richard Vincent, Jr., Dahlias; illustrated. 8.00 P. M. J. Otto Thilow, Flowers from snow to snow; illustrated. Under the auspices of the Garden Clubs of America.

Friday, March 31—3.30 P. M. Miss Elizabeth L. Lee, School of Horticulture for Women; illustrated. 8.00 P. M. J. Horace McFarland, Civics for Home and Municipality; illustrated.

Saturday, April 1—3.30 P. M. E. I. Wilde, Bulbs for summer bloom; illus-

trated. 8.00 P. M. Arthur Cowee, Glad-ioli; illustrated.

A meeting of the members of the Florist Telegraph Delivery is scheduled for Thursday, March 30th, 2 P. M., at the Hotel Walton. It is urged that members attend this meeting in order to bring up new ideas for the benefit of the organization. On the morning of the opening of the Show a telegram of greetings will go to the Mayor of each town where a member of the F. T. D. is located, accompanied by a box of flowers, to be delivered by said member. The various replies received will be used for publicity purposes, in the F. T. D. booth at the exhibition.



W. F. THERKILDSON, Publicity.

### "NEW YORK DAY" AT THE NATIONAL FLOWER SHOW.

Tuesday, March 28.

Philadelphia, quiet city,  
Drooping by the sleeping Delaware,  
Do you know that we are coming?  
Just to wake you, wake you up,  
Your quiet, gentle Quaker town

Philadelphia, sister city,  
Quaint and sweet as old-time ditty  
With your fine old streets  
And your old lots  
Where the bowing herd collect in vacant lots

Philadelphia, Philadelphia,  
How we long to help you!  
How we want to roam your streets  
From "HONK" and scrambling feet!  
Sure we're coming, industrial city,  
But you'll be, we're coming  
With the biggest bunch that ever made the running.

Rub your eyes, you dozing city,  
Nodding by the silent Delaware!

W. F. THERKILDSON, Publicity.



SAMUEL S. PENNOCK, Printing.



CHAS. HENRY FOX, Advertising.

## CHAIRMEN OF PHILADELPHIA COMMITTEES



JOHN P. HABERMEHL, Decoration.



CHAS. H. GRAKELOW, Special Features.



J. OTTO THILOW, Lectures.

### FLORISTS' CLUB OF WASHINGTON, D. C.

The annual election of officers, the presentation of a remembrance to the retiring president, and the selection of George W. Hess, superintendent of the United States Botanic Gardens, as an honorary member, were among the more important matters transacted at the March meeting of this club. The roster of officers for the ensuing year is as follows: President, R. Lloyd Jenkins; vice-president, Adolph Gude; secretary, Clarence L. Linz; treasurer, William F. Gude. Executive committee: George Field, Adolph Gude, Theodore Diedrich, George H. Cooke, David Bisset and William H. Ernest.

There was a great outburst of en-

thusiasm evidencing the high esteem in which the members hold their retiring president, when William F. Gude called upon George H. Cooke to accept with the best wishes of the club a handsome sterling silver bread tray contained in a case, and telling him that the sterling silver was emblematical of his personal qualities. "You have ruled us with a rod of iron," said Mr. Gude, "but this was ever tempered by these sterling qualities of which we are all cognizant, and you have always been eminently fair in your dealings with your associates."

So also was Mr. Hess lauded as the man who has done much to further that love of flowers which tends to the betterment of the trade generally. The many things which he has done during the past three years as super-

intendent of the Gardens were recounted, and it was a rising vote that carried his name to the honorary list, an action not previously taken by the club for many years. Both Mr. Cooke and Mr. Hess responded briefly to the honors conferred upon them.

The larger part of the evening was devoted to talks upon the Philadelphia Flower Show. Plans are under way for the Washington Club to be represented by its bowling team prepared to meet the teams from other cities. Special cars will be furnished by the B. & O. R. R., March 27. Fare \$3.40 each way. The club voted to enter a team in the tournament to be held in this city beginning April 3, the team to be captained by William H. Ernest. Very valuable prizes are offered for winners in each event.



A. A. NIESSEN, Secretary and Treasurer



ROBERT CRAIG, At Large.



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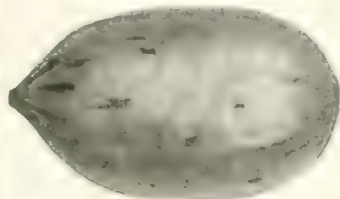
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This New England and climate produces fine, sturdy shrubs. Special trade prices. By the thousands, hardy Native and Hybrid Rhododendrons—transplanted and acclimated. Let us estimate.

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English Manetti, Japanese Lilies, Raffia, French Fruit Stocks, Kentia Seeds, Etc.

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## HILL'S EVERGREENS

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Evergreen Specialists. Largest Growers in America.  
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## THE National Nurseryman

Official organ of the American Association of Nurserymen. Circulation among the trade only. Published monthly. Subscription price, \$1.00 per year. Foreign subscriptions, \$1.50 per year. In advance. Sample copy free upon application from those in the trade enclosing their business card.

**National Nurseryman Pub. Co., Inc.**

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**GARDENERS' AND FLORISTS'  
 CLUB OF BOSTON.**

The session of this club on Tuesday evening, March 21, was well attended by the members. The announcement that W. H. Judd, of the Arnold Arboretum, would talk on Flowering Shrubs was evidently a drawing card. Previous to the lecture, considerable miscellaneous business was taken care of. The secretary gave out some information relative to the steamer schedules, cost and other details of the proposed visit to Bar Harbor at the time of the Sweet Pea Exhibition next July and it was voted to engage fifty staterooms in advance. An invitation was received and accepted from the W. W. Edgar Company for a visit to their greenhouses to see the Easter plants, on Saturday, April 8. The committee on annual dinner reported a surplus of \$19.80 left over and it was voted to transfer this amount to the summer picnic fund. The \$50 cup appropriated by the club for an exhibit of cyclamen at the recent spring show of the Massachusetts Horticultural Society having been won by E. Wetterlow, Mr. Wetterlow asked that a gold watch be substituted for the cup, as he already had about forty cups and this very sensible request was duly approved. Thirteen new members were added to the membership roll.

Mr. Judd's address was replete with good, practical notes on the newer shrubs now in cultivation at the Arnold Arboretum, most of which are now sufficiently well introduced to be obtainable at up-to-date nurseries. Starting with the witch hazels in January he showed that blooming

shrubs are possible for every month in the year. His descriptions of the outstanding gems of the spring and summer garden were very lucid and showed the love for his vocation which always marks the earnest and successful horticulturist. The audience sat for over an hour deeply absorbed in this very instructive lecture. It was his first attempt to address a meeting, Mr. Judd said, and he was the recipient of many congratulations at the close. He showed an interesting set of dried specimens of the various shrubs described.

The exhibits for the evening consisted of three well-flowered standard specimens of *Streptosolon Jamesoni* from Mr. Thatcher; three new varieties of tulip from Duncan Finlayson, flower spikes of *Celsia Golden Spray* from James Methven and a plant of *Primula malacoides rosea* from F. H. Lemon Co., which was held over from the exhibition of last week. A report of merit was given for the *Celsia*, which Mr. Methven said was grown from seed sown last August and was a fine plant for conservatory decoration.

**WANTED**

Specimen Oleander plants, pink.

Large Orange trees in tubs.

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 PLANT GROWER for the TRADE**

Finest stock of all foliage and flowering plants, bedding stock, etc.

*Dish Ferns and Bird Nest Ferns a Specialty*  
**WATERTOWN MASS.**

**ROBERT CRAIG CO.**  
**ROSES, PALMS,**

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Now ready, fine stock and free from white fly: Lucie Becker, Wurtembergia, Swabian Maid, 2 in., \$9.00 per 100. Easter Greeting, 2 in., \$8.00 per 100.

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# REMEMBER IF IT'S A HARDY PERENNIAL

or so called Old-fashioned Flower worth growing, we have it in one shape and another the year round in quantity. We have the largest stock in this country, all **Made in America**, and our prices will average **75c per Dozen, \$5.50 per 100**

Why say more here? Send for our Wholesale Price List of varieties and benefit from the opportunities this affords you. We have a surplus of the following desirable Hardy plants and offer them until sold as follows:

## BARGAINS IN DESIRABLE HARDY PERENNIALS

**ASTERS HARDY**, over 50 varieties. Ask for descriptive catalogue, which includes the latest European introductions.

**BUDDLEIA VITICIFLORA & MAGNIFICA**. Pot or field plants. Ask for special offer.

**FUNKIA SUBORDATA GRANDIFLORA**, the large sweet smelling white day lily. Strong flowering roots. \$6.50 per 100.

**IRIS GERMANICA** in following named sorts: Pallida, Madame Curzon, Mrs. Darwin, Garrick, Fantasy, Fairy Queen, William III pink, Siberica Blue, Siberica Alba, Siberica Snow Queen. \$3.00 per 100, \$25.00 per 1000.

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**SPIREA VAN HOUTTEI**. Very strong bushy transplanted Surplus Stock:  
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3 1/4 \$7.50 per 100, \$70.00 per 1000.

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R. W. CLUCAS, Manager

## NEWPORT HORTICULTURAL SOCIETY.

On Tuesday evening, March 14, Bruce Butterton read an instructive paper on "Boxwood and Its Enemies" before an interested audience, which brought out a good discussion on the means for combatting the leaf-miner which has become a very serious pest of the boxwood. It was voted to set the date for the joint exhibition of the Society and the Garden Club one week later than first announced so as not to conflict with the Gladiolus Show in Boston. The dates are now arranged **are August 17, 18 and 19**. On Tuesday evening, March 28, Prof. B. L. Hartwell of Kingston will lecture on "How Plants Feed," and on April 25, E. H. Wilson, of the Arnold Arboretum, Boston, will deliver a stereopticon lecture on the "Flowers and Gardens of Japan." W. F. Smith, Wm. Mackay, A. S. Meikle, Wm. Gray and Bruce Butterton were appointed a committee to arrange for a Ladies' Night in the week following Easter. James Bond was awarded a cultural certificate for fine blooms of tulip Glory of Haarlem.

## HORTICULTURAL SOCIETY OF WESTERN PENNSYLVANIA.

"Seasonable Flowers" was the subject of a general discussion on last Tuesday evening, at the meeting of the Horticultural Society of Western Penn. in Pittsburgh.

Cultural certificates were awarded as follows: William Allen, Homewood Cemetery, for carnations Matchless, Enchantress Supreme and pink and white Winsor; Henry B. Keillor of the Highland Floral Company, carnations; A. A. Leach of "Greenlawn,"

## Meetings Next Week

### Monday, March 27.

Florists' and Gardeners' Club of Rhode Island, Swartz Hall, Providence, R. I.

Gardeners' and Florists' Club of Baltimore, Florist Exchange Hall, Baltimore, Md.

### Tuesday, March 28.

Newport Horticultural Society, Newport, R. I.

Tarrytown Horticultural Society, Tarrytown, N. Y.

### COMING EXHIBITIONS.

March 25-April 2, Philadelphia.—Fourth National Flower Show of the Society of American Florists, Convention Hall, Broad Street and Allegheny Avenue.

April 5-12, New York.—International Flower Show of the Horticultural Society of New York and the New York Florists' Club, Grand Central Palace, Forty-sixth Street and Lexington Avenue, New York.

May 10, 14, Boston.—May Show Massachusetts Horticultural Society, Horticultural Hall.

Primula obconica. At this session the following new members were admitted: Active, Theodore P. Langhans and Oliver Langhans, of the Pittsburgh Cut Flower Co., and James Stewart, foreman for Edward A. Woods, and nine associate members. On the previous Tuesday evening the Horticultural Society held a session in the lecture hall of Carnegie Institute, when Mr. McCallum of the Pierson U-Bar Co., contributed an interesting address on "Small Greenhouses and What Flowers to Grow in Them."

## PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

There was an unusually large attendance of the members in the Dutch Room of the Fort Pitt Hotel on the night of March 7th, to greet the new President, Carl Becherer.

Pasquale Fabbozzi, an Italian member of the Club, had on exhibition a representation of the seal of the City of Pittsburgh done in immortelles of various colors. The design was nearly five feet in diameter, and its novelty and beauty attracted very favorable consideration as shown by certificate of merit awarded by Judges Jno. W. Jones, M. Curran and E. J. McCallum. As judges of the cut flowers and blooming plants the President appointed Messrs. P. S. Randolph, Neil McCallum and Wm. Thomson.

### List of Awards.

Russett & Washburn, Chicago. For carnation Belle Washburn, a first class certificate.

E. G. Hill Co., Richmond, Ind.: A first class certificate for carnation Alice Coombs. Rose Prima Donna from Florex Gardens, a cultural certificate.

Edw. Winkler, Wakefield, Mass.: Cultural certificate for carnation Morning Glow.

Alois Frey, Crown Point, Ind.: Certificate of merit for Rainbow frezias.

A. A. Leach, gardener for H. J. Heinz: Cultural certificate for mignonette and for carnations.

T. Tyler, gardener for C. D. Armstrong: Cultural certificate for Cactus Cineraria.

Carl Becherer, gardener Dixmont Hospital: Award of merit for hyacinths, tulips and seedling carnations.

M. Curran, gardener for Mrs. E. M. Horne, Sewickley, Pa.: Award of merit for carnations.

Bureau of Parks, Schenley Park: Cultural certificate for bulbous plants and Primula obconica.

P. S. Randolph & Sons, Verona, Pa.: Cultural commendation for Coronilla glauca.

H. P. JOSLIN, Sec'y.

# Burpee's Seeds Grow

## Burpee-Quality Seeds Help Solve the Market Problem

It is our pleasure to record a greatly improved market condition, and we confidently predict that 1916 will prove a most prosperous season for the Market Grower.

Many causes contributed to the unsatisfactory vegetable market of 1915, and it is also true that these same causes created a most profitable market for Staples, such as Wheat, Corn, Oats, etc.

During 1915 we attended many meetings where market growers gathered to formulate plans to overcome the then prevailing unfavorable conditions. Much good resulted from these conventions, as they have proved beyond question that inferior produce in large quantities, dumped without thought of quality or condition, has done more to demoralize the markets than any other factor.

The discussions at these meetings have brought the invariable conclusion that Quality Produce did sell—and sell well—at the highest price obtainable.

Quality Produce can no more be the harvest of inferior seed than high-bred cattle can be the product of inferior or diseased stock.

Burpee's Seeds are known the world over as the American Standard of Excellence. When you buy Burpee's Seeds the element of doubt is removed so far as is possible by human care.

A careful canvass of our Market Grower friends has brought this answer: "Yes, we certainly grew first-class crops from Burpee's Seeds."

The conclusion is inevitable: Burpee's Seeds grow Quality Produce, and Quality Produce brought good prices. Burpee's Seeds help solve the market problem.

Did you use Burpee's Seeds in 1915? If not, we earnestly solicit your orders for 1916. The profit is mutual.

Burpee's Annual for 1916, our complete retail catalog of 182 pages, has already been mailed. If you have failed to receive it, please write us at once and a duplicate copy will be forwarded.

Sincerely yours,

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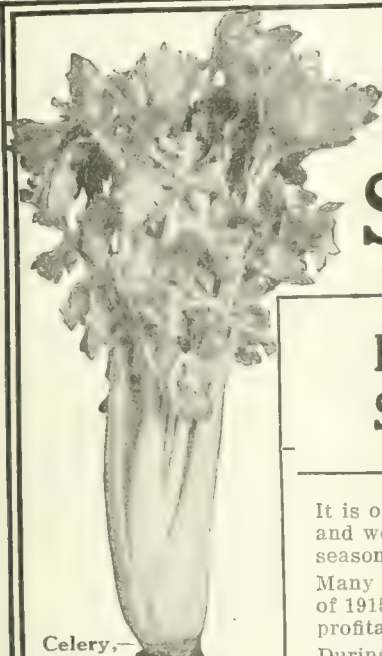
## Burpee's Blue List for 1916,

the Market Grower's Handbook.

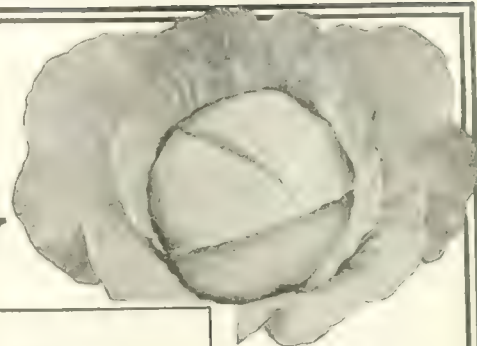
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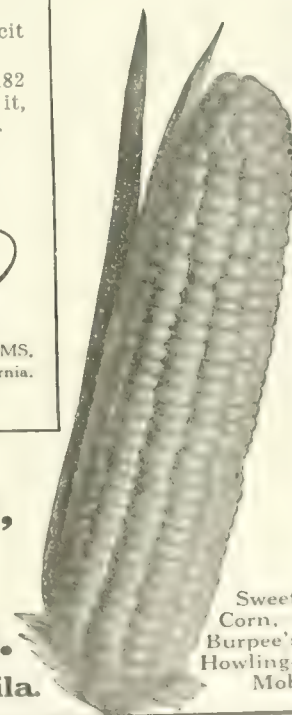
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## SEED TRADE

### AMERICAN SEED TRADE ASSOCIATION

Officers—President, J. M. Lupton, Mattituck, L. I., N. Y.; First Vice-President, Kirby B. White, Detroit, Mich.; Second Vice-President, F. W. Bolgiano, Washington, D. C.; Secretary-Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O.; Cincinnati, O., next meeting place.

#### A Disappointing Outcome.

We have reported elsewhere the action taken by the called meeting of the American Seed Trade Association at Chicago on the 2nd inst., to consider what action should be taken in view of the writing of contracts for future peas for Wisconsin canners by certain seed growers, who omitted the disclaimer.

We have learned the views of a number of prominent seedsmen, mainly members of the American Trade Seed Association, and all unstintedly condemn the action of the growers. We may also say that most of them have expressed disappointment over the results of the meeting above referred to. Several expressed the opinions that the Seed Trade Association surrendered to the growers when in fact the meeting was called for the purpose of censuring these growers, as we understand it, and of taking any other action which might be deemed advisable. It is not our purpose nor desire to criticize the action of the meeting, but we have our views touching this matter, and are bound to say that the results of the meeting must be disappointing to all well wishers of the seed trade. The resolution adopted permitting the growers to write contracts without the disclaimer by charging an additional price, will not obscure the point, that the seedsmen seem to have in a measure endorsed the action of the growers. It is true that the disclaimer was reaffirmed; it is also true that the additional price was considered in the way of insurance against suits which might follow the omission of the disclaimer. It seems to us doubtful if the courts would take the view which the seedsmen, or some of them, affect to take in this matter. The simple fact that an advance in price is required does not affect the principle involved, and to illustrate this point we quote from a letter of a well-known seedsman as follows:

"So far as its effect on the grower and the quality of the seed is concerned, it is the same. Being sure of the character and quality of the seeds we send out, depends entirely on the price. You pay me 75¢ per pound for Yellow Globe Onion Seed, and I don't 'know' anything about the quality of the seed. Pay me \$1.00 per pound, and all doubts disappear. The grower is not interested in the quality of the seed, but in the price he gets for it. The grower is the one who is responsible for the result brought against me."

This seems to cover the case and confirms our opinion that the additional price charged—whether it be called insurance or whatever else it may be—will not affect the fact that the disclaimer has been omitted; and that the strongest, and we might say the keystone in the arch which has protected the American Seed Trade for many years from ignorant or dishonest claims has been ignored. And those who take business without this

disclaimer are already at the mercy of the grower. If this were not the case, it would be left to the individual to make out their own bottom, but it is the effect on the disclaimer, its moral and legal force as affecting the seed trade, and a trade that is in question. The idea that Wisconsin can be set aside for special treatment and that this can continue indefinitely is an illusion. Once the breach is made, it will continue to enlarge, and all of the other states will eventually have to receive similar treatment insofar as the canners are concerned, and it will not be long before the seed merchants and dealers themselves will demand the same treatment from the growers. This, of course, will result in the complete breaking down of the protection now received from the disclaimer; and retailers, wholesalers and growers will have sacrificed what has proved their protection through many years for a little temporary gain.

These views may be somewhat radical, but they are the way we look at this matter, and as stated previously they are not to be construed as a criticism of the action taken by the seedsmen who met in Chicago, though many of these we believe are now convinced that they do not materially help the cause of protection to the seedsmen. From expressions which have reached us, we judge that this matter will be a leading subject for discussion at the annual convention of the American Seed Trade Association in June, and there is likely to be some pretty plain speaking on that occasion.

In justice to the three growers who have been the cause of all this trouble, it may be said that one or two of them have expressed regret that they were the cause of bringing possible trouble on the seedsmen of the country, while others seem to consider their action as entirely correct and none of the seedsmen's business. This is an attitude it seems that can hardly be passed over by the seed trade.

There is much more that could be said on this subject, but we think we have made it plain that the great body of seedsmen are unalterably opposed to any course that will even tend to weaken the moral and legal value of the disclaimer, and no one claiming to be interested in the seed business of the country can ignore this sentiment.

#### One Week's Imports.

Imports at the port of New York of horticultural material for the week ending March 10, were recorded as follows:

Bulbs—France, \$79; Netherlands, \$9,174; England, \$782; Japan, \$223.

Plants, Etc.—France, \$6,159; Netherlands, \$7,264; England, \$1,110; Scotland, \$87.

Red Clover Seed—France, \$98,319.

Other Clover Seed—France, \$2,048; New Zealand, \$483.

Grass Seed—France, \$3,944; Sweden, \$481; Scotland, \$95.

All Other Seeds—France, \$4,690; Germany, \$3; Netherlands, \$4,488; England, \$18,609; Hongkong, \$98.

Guano—England, \$1,641.

Nitrate of Soda—Chile, \$101,758.

Other Fertilizers—England, \$7,026.

#### Notes.

Horse Cave, Ky.—Jewell & Paull

have opened a seed store here and will handle a good line of seed stock.

A notice comes to the office of Horticulture from the Boston Post Office informing us that printed matter for Belgium is prohibited until further notice.

Unseasonably cold stormy weather is having a more or less depressing effect on the retail seed trade and no marked improvement can be expected until the weather changes.

Chicago, Ill.—The Illinois Seed Company has purchased a tract of land 126x393 feet on the B. & O. tracks at 41st avenue and Fillmore street, on which they will erect a large building for the handling of grass seed.

In a circular to the trade, the Nungesser-Dickinson Seed Co. calls attention to the fact that there are unusual delays now on account of congestion of freight all over the country, and they recommend the placing of all orders as early as possible this spring.

The committee having in charge a selection of the place for holding the next convention of the National Canners' Association is now considering the claims of the various cities which have bid for the convention, and no doubt the selection will be announced within a short time. The desire on the part of many of the canners to hold a pure food exhibit at the same time as the convention, is now being considered and if the plan is adopted it is reasonably safe to say that Chicago will be the place selected for the next convention.

#### THE GINGER JAR.

It has been a cold March and the seed houses are growling because there is little counter trade so far. Also they have been worried about their shipments from abroad. A good many have got in, but many have not. Some that left the other side last November—we don't know where they are, even now. You can cable tracers until your purse goes empty. Makes no difference. There are a whole lot of catastrophes happening on the ocean these days that we know nothing about. People sitting comfortably in their parlors in Boston, Philadelphia, New York and Chicago think they know all about it, by reading the paper. Nonsense! The paper gets a few echoes and dishes that up to the best of its ability. In the meantime ships may have been going down with our consignments aboard, and we may never hear a word of them any more. What's the use of cabling. If the ship's gone it's gone, and half the time the censor in London thinks our cablegram a war order and it never gets any further. The same thing applies to cables from the other side. I think I'll have to write the Kaiser.

G. C. W.

## JAMES VICK'S SONS

Seedsman, Nurserymen,  
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May-Flowering and Early Tulips**

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**SEEDS, PLANTS AND BULBS**  
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**WHOLESALE FIELD AND GARDEN SEEDS**

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Seeds with a generation of finest  
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carefully selected—really tested.

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Brilliant scarlet with reddish brown foliage.  
Best bedding variety grown. Packet,  
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We have yellow sets to offer and a limited  
quantity of fine Red Globe seed, together  
with a few other varieties. Are also sub-  
mitting contract figures for the 1916 onion  
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## SWEET PEA SEED

Winter or Summer Spencer, only the best  
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SWEET PEA RANCH

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## KEYSTONE SNAPDRAGON

Best Winter flowering Pink Snapdragon on  
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The modern scientific method of plant  
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Send for illustrated descriptive circular  
and sample, 15c.  
Also our Collapsible Paper Seed Pot in  
2 sizes, 4x2 and 4x3 square, for growing  
Tomatoes, Sweet Peas, &c., \$10.00 a  
thousand.

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131 Hudson St., New York  
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## Thorburn's TUBEROSES

**Dwarf Double Pearl**

4½ to 6 inches

\$8.50 per 1000

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Extra Selected Stock. Gladiolus for forcing.  
Nanus, Calvillel or large flowering  
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Binghamton, N. Y.—Charles R.  
Stewart.

Eureka, Cal.—The Rosary, F, near  
5th street

Laporte, Ind.—C. A. Wuellner, 412  
John street

Jackson, Mich.—Henry M. Burt, 108  
Francis street.

Oakland, Cal.—V. Azarro, 335 12th  
street (wholesale).

Hoboken, N. J.—Anthony F. Dwyer,  
515 Washington street.

Grand Rapids, Mich.—Crabb & Hun-  
ter Floral Co., Hotel Pantlind.

Providence, R. I.—Olney Williams  
and John Burke, Clemence street.

Ogden City, U.—F. A. Huish, suc-  
cessor to Mrs. B. Van der Schuit, 740  
28th street.

Philadelphia, Pa.—G. A. Leins, suc-  
cessor to Albert Maurer, 20th and  
Columbia avenue.

New Stores in Chicago.

George Gerasmus, for several years with the Alpha Floral Co., has opened a retail store at 3944 Sheridan road, to be known as the Sheridan "L" Florist. Another new store will be that of F. L. Eagleston, in the Hyde Park district, opposite the Hyde Park Hotel. The opening is booked for April 1. Harry Rowe, who was burned out a few weeks ago, is now going into business again at 67 East Monroe street, next door to the Bannan Floral Co. L. H. Pehlke is moving from under the elevated road to Milwaukee avenue and Logan Square boulevard. Another Milwaukee avenue store will be opened by Miss F. Lenetty.

**The Park Floral Co.**

J. A. VALENTINE, Pres.

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For Retail Stores a Specialty

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High Grade Cut Blooms

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Meet us at  
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Flower Show.  
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We will be  
pleased to  
greet you.

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National Capital**

At your service to deliver Flowers  
or Designs on Order by Tele-  
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Will take good care of your orders  
*Members of F. T. D. Association.*

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**F. H. KRAMER**  
Auto delivery of Designs and Flowers to  
any address in Washington.  
Stock and Work First Class

Orders Filled Day or Night for  
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Complete Stock. Regular discount to Trade.  
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440 Main St., Buffalo, N. Y.  
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Centrally Located for Deliveries in All Parts of New England!

**H. F. A. LANGE**

125,000 Sq. Ft. of Glass  
WORCESTER, MASS.

### VISITORS' REGISTER.

St. Louis: A. C. Zvolanek, Lompoc, Cal.; A. F. Longren, Burlington, Ia.; Sam Seligman and Julius Dillhoff, New York.

Philadelphia: Walter Mott, repr. Benj. Hammond, Beacon, N. Y.; Edward P. Nieman, Denver, Col.; Wm. Graham, Chicago, Ill.

Boston: Dr. Geo. E. Stone, Amherst, Mass.; Maurice Fuld, New York; J. H. Playdon, Andover, Mass.; Frank Leith, Haverhill, Mass.

Washington, D. C.: Mark Boks, Ghent, Belgium; Charles Niemann, repr. C. F. Meyer, New York; Mr. and Mrs. T. T. Bolger, Charleston, S. C.; C. Zvolanek, Lompoc, Cal.; W. H. Schulz, Jr., Auburndale, Fla.

Pittsburgh, Pa.: F. G. Nelson, Burlington Willow Ware Shops, Burlington, Ia.; Harry Milton Griffith, repr. I. Shelby Crall Co., Monongahela, Pa.; L. B. Glick, Leo Niessen Co., Baltimore, Md.; F. H. Chatfield, Ideal Vacuum Flower Box Co., Davenport, Iowa; Conrad R. Hart, Whitney-Eckstein Seed Co., Buffalo, N. Y.; R. Blackshaw, A. L. Randall Co., Chicago.

### DURING RECESS.

Boston Florists' Bowling League.

On the roll-off of the Bowling League on March 20 the Co-operative Market won from Galvin by one pin. Carbone took third place. Final scores of first three teams were Co-op. Market, 1322; Galvin, 1321; Carbone, 1282. A banquet at the Georgian Hotel on Thursday, the 23rd, terminates the bowling season. Cups will be awarded to teams in their respective classes.

New York Florists' Bowling Club.

Scores recorded for Thursday evening, March 16, 1916.

W. H. Siebrecht.....	157	144	153
C. W. Scott.....	159	182	167
P. Jacobson.....	167	156	194
J. Fenrick.....	151	200	178
J. Miesem.....	188	211	176
H. C. Riedel.....	148	154	157

H. C. RIEDEL, Sec'y.

The Retail Florists Association of St. Louis held their annual banquet at the Mission Inn Garden on Monday night, March 20.

### HORTICULTURE:

Gentlemen:—Enclosed please find one dollar for another year's subscription to your very valuable paper which I esteem very highly. All its cultural notes agree with my personal experience of about forty years.

Yours respectfully,  
Bridgeport, Ct. J. H.

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Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.



## NEWS ITEMS FROM EVERYWHERE

### BOSTON.

Professor Charles S. Sargent started on a trip to the Pacific Coast on Monday, March 20.

N. F. McCarthy has been taking a much needed rest in Bermuda preparation to the strenuous work of the spring auction season.

The schedule committee of the Massachusetts Horticultural Society have been hard at work on the prize list for the Spring Flower Show to be held in March, 1917, at Horticultural Hall, Boston. The premiums offered will amount to approximately \$10,000 and the exhibition, which will continue for five days, will be the most ambitious and elaborate ever staged under the auspices of the Massachusetts Horticultural Society.

Max Frockman, of Henry M. Robinson & Co., is being congratulated on his approaching marriage to Miss Alice G. Schaeffer, of Revere. The ceremony will take place at the bride's residence on Sunday evening, March 26, following which Mr. Frockman and his bride will start for Philadelphia on their honeymoon. The salesmen of both flower markets have shown their regard for Mr. Frockman by presenting him with a magnificent silver service of nearly 100 pieces.

All exhibitors and many visitors to the National Flower Show in Mechanics Building, Boston, will pleasantly remember Chester I. Campbell, who so efficiently filled the position of manager for that very successful enterprise, and will be glad to learn that he has been appointed American manager by Administrator General Eduard Tijou, representing the French government, for the Reconstruction Exposition to be held in Paris in May, June and July, 1916. We understand that Mr. Campbell is disposed to accept the honor and great responsibility which this appointment means.

**Cincinnati**—The J. M. McCullough Sons Co. have closed out their cut flower and florist supply department.

**Farrant's Point, Vt.**—The Farrant greenhouses were destroyed by fire March 13, the loss on houses and adjacent property being estimated as between \$8,000 and \$10,000.

**Philadelphia**—A disastrous fire occurred at the establishment of Alphonse Pericat at Collingdale on the morning of Friday, March 17. Everything was burned up except one small greenhouse. Loss estimated at \$25,000.

### PITTSBURGH.

The McCullough Company recently began to handle the new Prince Deanna rose, which is taking very well.

Ralph W. Pinner and John W. Bracken, of the A. W. Smith Company, are designing an old-fashioned garden for Mary Roberts Rinehart's beautiful estate near Glen Osborne.

Announcement has been made of the engagement of Miss Helen Frances Collins of Meyersdale, Pa., to De Forest W. Ludwig. The wedding will probably be an event of the early summer.

Francis Smith, salesman for the G. P. Weaklin Co., made a farewell visit in Beaver Falls, Pa., last week with his family, who are leaving shortly to make their home in Philadelphia.

Miss Eliza McKinley, who has been seriously ill all winter, is now convalescing in the country near Greensburg. She expects to be able to resume her work for Randolph & McClements in time for the Easter trade.

Andrew McKendry, who has been in supervision of Russell H. Boggs' estate at Sewickley Heights, has returned to Madison, New Jersey. He is succeeded by Robert Taylor, who comes from New York. The Boggs' greenhouse is being renovated and replenished.

Augustus W. Weber, who left "Solitude," the estate of the late George Westinghouse, last spring, has entered the service of Michael L. Benedum of "Graystone," but will continue to live on the Westinghouse estate. The grounds of "Graystone" are being completely remodeled under the supervision of Berthold C. Frosch, and an addition is to be made to the greenhouse this spring.

The 62nd birthday anniversary of Henry Meuschke, treasurer of the Ludwig Floral Company, was celebrated last Sunday with a dinner for 120 guests at his home in Castle Shannon. During the entertainment Congressman Barchfeld made an address in behalf of the guests, congratulating and wishing Mr. Meuschke many happy returns of the day. Both William and George Meuschke, of the Ludwig Floral Company, are serving this week and next on the jury.

**Groton, Ct.**—Mrs. Lucy S. Chapman has brought suit in the New London County Superior Court to have her marriage with Christopher B. Chapman, florist, Eastern Point, annulled, alleging that he is a bigamist.

### CHICAGO.

C. E. Washburn and Mr. Washburn are now on their way to Pasadena, where "Ned" Washburn is establishing a greenhouse business.

Sam Pearce, the principal grower of bulbous stock for cut flowers in this vicinity, is cutting Darwin tulips now and the stems measure 15 to 20 inches. Von Sion narcissus is now ready for cutting.

St. Patrick's Day trade was quite lively. There were not enough shamrocks to go around. One large department store could have used many more, twenty thousand having been sold in less than two days.

John Poehlmann, Chas. Erne and John Enders are still invalids. They are all so much a part of the life of the wholesale business and have been identified with it for so many years that their absence is keenly felt.

August Poehlmann, with family and friends, had a narrow escape last Sunday when their car collided with another at Montrose boulevard and Ashland avenue. It was with difficulty that the party were extricated through an incision made in the top, after the overturning of the machine.

It is still early to predict the Easter supply of flowers and plants, but it is generally conceded that the backbone of the Easter lily business in Chicago has been broken, for each year more of the smaller growers follow their chrysanthemums with Easter lilies and prices drop lower and lower as this flower becomes each year more of a catch crop. Possibly in anticipation of a heavy supply for a late Easter, some very low prices are already booked on advance orders.

### WASHINGTON, D. C.

Thieves breaking into the flower store of O. A. C. Oehmler, broke open his desk and stole bills and change to the amount of \$20, according to a report made to the police. The store was entered through the cellar.

Arrangements have been completed for more than 100 members of the Florists' Club of Washington, D. C., with their families and friends, to attend the Philadelphia Flower Show, leaving here on March 27 at 11 A. M.

**Youngstown, O.**—Paul V. Manning has purchased the entire stock and good will of the firm of Tierney & Manning, florists, 212 North Phelps street, and will continue the business.

A Florist's  
Necessity

# HART'S HANDY HANDLE

Plants set out in any standard pot and by the use of a little Cliff  
for or without 2 lbs. you a Basket effect at a very small additional  
expense increasing the price of your plants 100 per cent.

1	12 inches high,	\$2.50 per doz.
2	15 " "	3.50 " "
3	18 " "	4.00 " "

4	21 inches high,	\$5.00 per doz.
5	30 " "	6.50 " "
6	36 " "	9.00 " "

At Your Dealer's or Direct.

## GEO. B. HART, Manufacturer, 24 to 30 Stone Street, Rochester, N. Y.

# For the Florists of America

A NEW LINE OF

## Baskets, Plant Receptacles and Other Up-to-Date Goods For EASTER

Superior in quality and design to anything ever imported. Also more for your money. You will visit the National Flower Show in our City March 25 to April 2. Visit Us at the same time and Inspect Our Easter Stock. Make Our Store Your Headquarters in Philadelphia. *You Will Not Regret It.*

THE FLORISTS' SUPPLY HOUSE OF AMERICA

**H. BAYERSDORFER & CO.,** 1129 Arch Street, PHILADELPHIA, PA.

### PROVIDENCE, R. I.

Albert L. Anthony has qualified as a member of the Park Commission to which he was recently elected, succeeding William H. Covell, Jr.

Mrs. Elizabeth O'Connor has been granted a permit to remodel and enlarge her greenhouse on Lorane street, and make alterations in the office adjoining the range.

The Bristol taxpayers in financial town meeting last week refused to adopt the recommendation of the Town Council to appropriate \$2,000 for the care of its trees.

George H. Johnson & Son of Providence, have submitted a bid to the Warwick Town Council to spray its trees and shrubs for the coming year. It will come up at the next meeting.

Everett C. Potter, of Auburn, R. I., was elected president of the Providence Market Gardeners' Association, at the second annual meeting and banquet held at the Crown Hotel last Saturday night. Speeches and an entertainment followed the dinner. Other officers were elected as follows: First vice-president, H. E. West; second vice-president, O. R. Peck; secretary and treasurer, George K. Tinkham; executive committee, Eugene W. Peck (chairman), Gardner Killey, Joshua Vose, George A. Fenner and Cosmo Dacchiolia.

Prof. Harland H. York of Brown University was elected president of the Rhode Island Arborists' Association at the annual meeting held last week at the State House. The other officers elected are as follows: Vice-president, Arthur Mowry, Woonsocket; Secretary and treasurer, Harry Harovitz, Providence; directors, Lewis H. Meader, Jr., W. H. Howe, Providence, and John H. Gavitt, Westerly. The association devoted considerable time to the discussion and votes toward the passage of an act to license arborists now pending before the legislature.

### ST. LOUIS.

A. C. Zvolanek, of Lompoc, Cal., when visiting here last Saturday was taken in hand by the County Florists and shown the various establishments, especially those where sweet peas are grown.

At the opening of the new quarters

of the German-American Bank a wealth of floral work was seen on Monday, March 20. For artistic workmanship those delivered by Miss M. S. Newman, Geo. Waldbart, J. J. Beneke, Fred. C. Weber, F. W. Brueinig and Grimm & Gorly should be given special mention. The Spring Flower Show Committee held its monthly meeting March 16 at the Bourdet Floral Co. office. Jules Bourdet, president of the Florist Club, was made manager and chairman of the executive committee. W. W. Ohlweiler is secretary of the committee. The guarantee fund has now reached \$3,000, with more coming in. This show is to be held in the spring of 1917.

Springfield, Mass.—P. M. Andrower, formerly of Boston, and recently employed by different florists in this city, committed suicide by shooting himself on March 14.

### TO KEW MEN IN AMERICA.

A reunion and banquet for Kew men, their wives and lady friends has been arranged to be held at "Shanley's," 117 West 42nd street, New York, on April 5th, at 7 P. M., the opening day of the New York Flower Show. Tickets for the above may be had from M. Free, Brooklyn Botanic Garden, Brooklyn, at \$1.50 each, and it is desired that all Kew men who wish to attend will write to Mr. Free and secure tickets, also information regarding the reunion.

The business meeting will be held at 7 P. M., and the banquet at 8 P. M., and arrangements have been made for the entertainment of the ladies during the business meeting.

All Kew men are urged to attend and bring a lady, so don't forget the date, April 5th, the place, "Shanley's," and the time, 7 P. M.

S. R. CANDLER.

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NEW YORK, Broadway at 54th Street

Broadway Cars from Grand Central Depot

7th Avenue Cars from Pennsylvania Station



### New and Fireproof

Strictly First Class — Rates Reasonable

Rooms with Adjoining Bath

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Rooms with Private Bath

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Suites **\$4.00 up**

10 Minutes Walk to 40 Theatres

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## HARRY P. STIMSON

Formerly with Hotel Imperial

Only New York Hotel Window-Screened Throughout

## FOR PHILADELPHIA'S BEST BEAUTIES

send your order in our direction. The supply is increasing and your order will be filled if placed with us, and at the lowest market price.

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CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES  
and all Seasonable Varieties of Cut Flowers

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We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Decorative Glassware, Growers and  
Florists' Requisites

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Manufactured by

**W. J. COWEE, Berlin, N. Y.**

10,000...\$1.85. 50,000...\$8.00. Sample free.  
For sale by dealers.

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RICHMOND, IND.

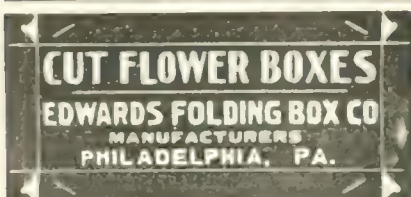
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Consignments Solicited  
Hardy Fancy Fern Our Specialty  
264 RANDOLPH ST., DETROIT, MICH.

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**Z E C H M A & N N** For **QUALITY**  
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Supply of Best Cut Flowers all the Year Around  
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If interested, send us your name and address for our weekly price list

## WELCH BROS. CO. Wholesale Cut Flower Market

Daily consignments from leading growers Full line of Florists' Supplies Write for quotations before ordering elsewhere

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## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Mar. 23		ST. LOUIS Mar. 23		PHILA. Mar. 23	
<b>Roses</b>						
Am. Beauty, Special	30.00	to 40.00	25.00	to 40.00	60.00	to 75.00
"    Fancy and Extra	20.00	to 30.00	20.00	to 30.00	15.00	to 40.00
"    N. York	5.00	to 12.00	6.00	to 10.00	6.00	to 12.50
Russell, Halsey	4.00	to 12.00	10.00	to 12.00	6.00	to 20.00
Killarney, Richmond, Hillingdon, Ward, Extra	4.00	to 10.00	6.00	to 10.00	8.00	to 12.00
"    Ordinary	3.00	to 4.00	4.00	to 5.00	4.00	to 6.00
Arenburg, Radiance, Laft, Key, Extra	4.00	to 10.00	.....	to .....	8.00	to 12.00
"    Ordinary	3.00	to 4.00	.....	to .....	4.00	to 6.00
Ophelia, Mock, Sunburst, Extra	4.00	to 10.00	8.00	to 10.00	8.00	to 12.00
"    Ordinary	4.00	to 8.00	5.00	to 6.00	4.00	to 6.00
Carnations, Fancy	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
"    Ordinary	1.50	to 2.00	1.00	to 2.00	1.00	to 3.00
Cattleyas	35.00	to 50.00	50.00	to 60.00	25.00	to 50.00
Dendrobium formosum	.....	to 40.00	.....	to .....	.....	to .....
Lilies, Longiflorum	8.00	to 10.00	10.00	to 12.50	9.00	to 12.00
"    Rubrum	2.00	to 4.00	4.00	to 6.00	4.00	to 6.00
Callas	10.00	to 12.00	10.00	to 12.50	8.00	to 12.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	2.00	to 5.00
Daisies	1.50	to 3.00	1.00	to 3.00	.40	to 2.00
Violets	.50	to .75	.25	to .30	.20	to .75
Mignonette	2.00	to 6.00	3.00	to 5.00	2.00	to 6.00
Snapdragon	.....	to 8.00	2.00	to 3.00	4.00	to 16.00
Daffodils	1.50	to 2.50	2.00	to 3.00	.50	to 4.00
Gladioli	10.00	to 15.00	.....	to .....	.....	to .....
Tulips	4.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Hyacinths	2.00	to 3.00	3.00	to 4.00	.....	to .....
Freesia	1.00	to 1.50	1.00	to 3.00	1.00	to 3.00
Calendulas	2.00	to 3.00	.....	to 3.00	2.00	to 4.00
Lilac per 100	.....	to 1.00	.....	to .....	.50	to 1.00
Sweet Peas	.50	to 1.00	.75	to .75	.40	to 2.00
Gardenias	20.00	to 35.00	.....	to .....	5.00	to 25.00
Adiantum	.....	to 1.00	1.00	to 1.25	.....	to 1.00
Smilax	12.00	to 16.00	10.00	to 12.50	15.00	to 20.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	25.00	to 35.00	20.00	to 30.00	25.00	to 50.00

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Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

## J. A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and  
CARNATIONS  
A Specialty

WHOLESALE  
GROWER of

CUT FLOWERS

## Flower Market Reports

**BOSTON** The flower market has experienced at last the "slump" long dreaded but thus far escaped. Sunny skies succeeding the long stormy spell are pushing along rapidly the daffodils, lilies and roses. The rose receipts are increasing every day. Carnations are not coming in heavily, but sales are nevertheless very slow. Sweet peas are being received in unprecedented quantities. Snapdragons also are in overstock. The only bulb flowers that sell well are the Poets' narcissus. Darwin tulips have done very well but are now draggy. Pansies are very fine.

**CINCINNATI** Business has been steady and active and kept the market pretty well cleaned up in most all lines. Shipping business is very good. Roses are meeting with a good call and on some occasions last week were short because of the extraordinary demand caused by spring openings. Carnations are short of actual needs. Easter lilies are less plentiful and at times are scarce. Bulbous stock, with the exception of narcissi is not any too plentiful. Sweet peas are in a good supply and generally are excellent in quality. Lily of the valley meet with only an indifferent demand. The supply of callas and rubrum lilies is ample.

**CHICAGO** The tone of the market for the past week has been considered very good. The effect of Lent is about over, and with the exception of wedding orders, sales are as before that time-honored season began. Just now, the absence of wedding orders is almost a relief to the growers of lily of the valley who can hold back on their supply. The end is in sight with the tulip crop and daffodils reign without much to rival them in the domain of bulbous stock. All roses are plentiful and the demand is good, all the best grades bringing a fair price and nothing going to waste. The new roses have made a good run this winter and on the whole have been all that could be desired. American Beauties are still a scarce article and do not cut much of a figure in the market as compared to other years. There are many carnations, but not an over supply. Prices have come down and stock is generally used up. There is a good supply of lilies, mignonette, snapdragon, calendula, &c.

The market is getting loaded up in regular mid-lent fashion. The only thing that has held it back so long has been the inclemency of the weather. A surfeit is now in prospect and much lower prices are sure to follow. Roses of all varieties move sluggishly. Carnations are only in moderate surplus as yet but tulips, lilies, wallflowers, sweet peas and daisies are too abundant to maintain their normal value. Orchids are plentiful, the cattleya supply being more than sufficient. Of the latter C. Schroderae is having its usual poor reception.

The past week **PHILADELPHIA** has held fully up to the good average already reported. On the whole trading was even brisker and prices



## GARDENIAS

The quality at this time is unusually choice, wonderfully well grown perfect blooms, in quantity,

	Per doz.
Special	\$3.00
Fancy	2.00
Extra	1.00

Sweet Peas, Spencers 75c., \$1.00, \$1.25, \$1.50 per 100.  
Valley, Special \$5.00 per 100, Extra \$1.00 per 100.

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## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS (UNIT)

	CINCINNATI March 20	CHICAGO March 20	BUFFALO March 20	PITTSBURGH March 23
<b>Roses</b>				
Am. Beauty, Special	40.00 to 50.00	35.00 to 50.00	35.00 to 40.00	60.00 to 75.00
" " Fancy and Extra	20.00 to 30.00	25.00 to 35.00	25.00 to 35.00	40.00 to 50.00
" " No. 1	8.00 to 15.00	8.00 to 12.00	10.00 to 12.00	12.50 to 15.00
Russell, Hadley	8.00 to 15.00	8.00 to 12.00	8.00 to 10.00	8.00 to 12.00
Killarney, Richm'd, Hill'don, Ward	7.00 to 10.00	8.00 to 10.00	8.00 to 10.00	8.00 to 12.00
" " Ord.	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
Arenburg, Radiance, Taft, Key, Ex.	7.00 to 10.00	8.00 to 10.00	12.00 to 15.00	8.00 to 12.00
" " Ord.	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
Ophelia, Mock, Sunburst, Extra	7.00 to 10.00	8.00 to 10.00	8.00 to 10.00	8.00 to 12.00
" " Ordinary	4.00 to 6.00	4.00 to 6.00	5.00 to 6.00	4.00 to 6.00
<b>Carnations, Fancy</b>	3.00 to 4.00	2.00 to 3.00	2.50 to 3.00	2.50 to 3.00
" " Ordinary	2.00 to 3.00	1.00 to 2.00	1.50 to 2.00	1.50 to 2.00
<b>Cattleyas</b>	40.00 to 50.00	30.00 to 40.00	40.00 to 50.00	20.00 to 30.00
<b>Dendrobium formosum</b>	10.00 to 12.50	10.00 to 15.00	10.00 to 12.00	10.00 to 12.00
<b>Lilies, Longiflorum</b>	10.00 to 12.50	10.00 to 15.00	10.00 to 12.00	10.00 to 12.00
" " Rubrum	10.00 to 12.50	10.00 to 15.00	10.00 to 12.00	10.00 to 12.00
<b>Callas</b>	10.00 to 12.50	10.00 to 15.00	10.00 to 12.00	10.00 to 12.00
<b>Lily of the Valley</b>	4.00 to 5.00	3.00 to 5.00	4.00 to 5.00	4.00 to 5.00
<b>Daisies</b>	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	2.00 to 3.00
<b>Violets</b>	.50 to .75	.40 to .75	.50 to .60	.50 to .60
<b>Mignonette</b>	4.00 to 8.00	4.00 to 8.00	3.00 to 5.00	4.00 to 6.00
<b>Snapdragon</b>	8.00 to 12.00	8.00 to 12.00	6.00 to 10.00	6.00 to 10.00
<b>Daffodils</b>	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
<b>Gladioli</b>	2.00 to 4.00	2.00 to 4.00	2.00 to 3.00	2.00 to 3.00
<b>Tulips</b>	2.00 to 4.00	2.00 to 4.00	2.00 to 3.00	2.00 to 3.00
<b>Hyacinths</b>	3.00 to 5.00	2.00 to 4.00	2.00 to 3.00	2.00 to 3.00
<b>Freesia</b>	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
<b>Calendulas</b>	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
<b>Lilac (per bunch)</b>	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00
<b>Sweet Peas</b>	.50 to 1.50	1.50 to 2.00	.50 to 1.00	.50 to 1.00
<b>Gardenias</b>	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00
<b>Adiantum</b>	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
<b>Smilax</b>	12.50 to 15.00	12.50 to 15.00	12.50 to 15.00	12.50 to 15.00
<b>Asparagus Plu. &amp; Spren.</b>	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00

have realized a little better. St. Patrick may have helped a little to this good showing, but not very much. We saw very little this year of that abomination, the green carnation, so that it would appear that the good seed sown by Horticulture for many years is at last bearing fruit. The shortage on long-stemmed American Beauty roses is past and these are now coming in more freely and prices have dropped 25 per cent. in the last few days. Other grades of the same rose are in good supply and there is a distinct appreciation in the quality. Carnations are still on the scarce side, and selling well at good prices. In fact, take the season all through it has been a fine one for the carnation men. Nothing in carnations for the street boys; the only thing they seem able to get hold of is the violet. That one-time favorite remains very much in the doldrums. It must be a hard job for these Hudson river boys to make ends meet nowadays. Sweet peas plentiful and going well. Lily of the valley demand

improved a little last week. Mignonette good but rather on the scarce side.

Prices remain stationary. **PITTSBURGH** Flowers are none too plentiful, everything—violets excepted—being utilized as they come in. As a wholesale man put it, violets "were all to the bad" during last week, the extremely cold weather precluding the street venders (who are the only sellers) from appearing at their usual haunts. American Beauties of good quality are coming in once more, and the result of the clearer weather is noticeable in the quantity and quality of all bulb stock.

The market is in a healthy condition and stock plentiful. There is an abundance of good roses. Carnations, sweet peas and violets are so many just now that buyers make their own price in big lots. Southern bulb stock shipments have forced the

(Continued on page 420)

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	Last Half of Week ending Mar. 18 1916		First Half of Week beginning Mar. 20 1916	
American Beauty, Special	25.00	to 40.00	25.00	to 40.00
" " Fancy and Extra	10.00	to 25.00	12.50	to 25.00
" " No. 1	1.00	to 5.00	1.00	to 5.00
Russell, Hadley	12.00	to 40.00	6.00	to 40.00
Killarney, Richmond, Hillingdon, Ward, Extra	6.00	to 8.00	6.00	to 8.00
" " Ordinary	1.00	to 4.00	1.00	to 4.00
Arenburg, Radiance, Taft, Key, Extra	6.00	to 8.00	6.00	to 8.00
" " Ordinary	1.00	to 4.00	1.00	to 4.00
Ophelia, Mock, Sunburst, Extra	8.00	to 10.00	8.00	to 10.00
" " Ordinary	2.00	to 6.00	2.00	to 6.00
Carnations, Fancy	8.00	to 3.00	2.00	to 3.00
" " Ordinary	1.00	to 1.50	1.00	to 1.50

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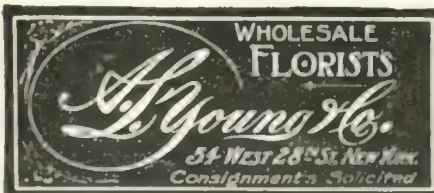
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COMPLETE LINE

**Quality Cut Flowers and Greens. Everything Seasonable — Prices Reasonable.**

## Flower Market Reports

(Continued from page 413)

price down on the home-grown lily of the valley and lilies are in good demand. Smilax is scarce and good long strings demand 20 cents each.

Business is beginning to pick up and the number of social events calling for high grade flowers is increasing. Flowers of all kinds are cleaning up fairly well. Lily of the valley continues to be of a rather poor quality, although holding up to \$5 per hundred. The supply of single violets is dwindling but the street men seem to continue to be supplied, although prices are advancing. There is little change in the rose market and in many cases these are going to buyers at just about what the latter want to offer for them. American Beauty roses are more plentiful although somewhat higher. Gardenias also are more plentiful. Orchids are still off the market so far as local production is concerned. Carnations are more plentiful in all varieties. Sweet peas are very plentiful and in some varieties very good prices prevail. Cherry, apple and other spring blossoms have made their appearance and are in good demand for table decorations.

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	Last Half of Week ending Mar. 18 1916		First Half of Week beginning Mar. 20 1916	
Cattleyas	15.00	to 30.00	15.00	to 30.00
Dendrobium formosum	20.00	to 35.00	20.00	to 35.00
Lilies, Longiflorum	4.00	to 6.00	4.00	to 6.00
Rubrum	2.00	to 6.00	2.00	to 6.00
Callas	8.00	to 10.00	6.00	to 10.00
Lily of the Valley	1.00	to 4.00	1.00	to 4.00
Daisies	.50	to 2.00	.50	to 1.00
Violets	.15	to .50	.15	to .15
Mignonette	2.00	to 6.00	2.00	to 6.00
Snopdragon	3.00	to 10.00	3.00	to 1.00
Daffodils	1.00	to 2.00	1.00	to 2.00
Gladioli	6.00	to 8.00	6.00	to 8.00
Tulips	1.00	to 3.00	1.00	to 3.00
Hyacinths	1.00	to 2.00	1.00	to 2.00
Freesia	.50	to 1.00	.50	to 2.00
Calendulas	2.00	to 4.00	2.00	to 4.00
Lilac (per bunch)	.50	to 1.00	.50	to 1.00
Sweet Peas	.25	to 1.00	.25	to 1.00
Gardenias	8.00	to 25.00	8.00	to 25.00
Adiantum	.50	to 1.00	.50	to 1.00
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Standard hotbed sash, 1 1/2 in. thick, with  
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The life of a sash depends on this construction.  
We GUARANTEE our sash to be  
satisfactory or refund your money. Glass,  
6 x 8, 8 x 10, 10 x 12, or 10 x 14, \$1.50 per  
box of 50 sq. ft. C. N. ROBINSON & BRO.,  
Dept. 29, Baltimore, Md.

**HOSE**

H. A. Dreer, Philadelphia, Pa.  
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Metropolitan Material Co., Brooklyn, N. Y.  
Non-Kink Woven Hose.

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**HOTEL ACCOMMODATIONS**

Hotel Cumberland, New York City.  
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**INSECTICIDES**

Aphine Manufacturing Co., Madison, N. J.  
Aphine.

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Nicotine Mfg. Co., St. Louis, Mo.  
Aphis Punk and Nikoteen.

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Eastern Chemical Co., Boston, Mass.  
Imp. Soap Spray.  
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**KENTIAS**

Henry A. Dreer, Philadelphia, Pa.

**LILY BULBS**

Chas. Schwake & Co., New York City.  
Horticultural Importers and Exporters.  
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R. M. Ward & Co., New York, N. Y.  
Japanese Lily Bulbs of Superior Quality.  
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Joseph Breck & Sons Corp., Boston, Mass.  
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**LILY OF THE VALLEY PIPS**

Chas. Schwake & Co., Inc., New York City.  
Hohmann's Famous Lily of the Valley Pips.  
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Loechner & Co., New York City.  
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J. M. Thorburn & Co., New York City.  
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McHutchison & Co., New York City.  
Berlin Valley Pips.  
For page see List of Advertisers.

Lily of the Valley pips, \$5.00 per 1000;  
clumps, \$8.00 per 100. Also all vegetable  
seedlings. Write HENRY SCHAUMBERG,  
Hammonont, N. J.

**MANETTI STOCKS—ENGLISH**

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A. L. Miller, Jamaica, N. Y.  
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F. O. Pierce Co., New York City.  
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National Nurseryman Publishing Co., Inc.,  
Rochester, N. Y.  
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**NIKOTEEN**

Nicotine Mfg. Co., St. Louis, Mo.  
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**NIKOTIANA**

Aphine Mfg. Co., Madison, N. J.  
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**NURSERY STOCK**

R. & J. Farquhar & Co., Boston, Mass.  
New Shrub—Lonicera Maackii.  
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Old Town Nurseries, So. Natick, Mass.  
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P. Ouwerkerk, Weehawken Heights, N. J.  
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W. & T. Smith Co., Geneva, N. Y.  
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The D. Hill Nursery Co., Dundee, Ill.  
Hill's Evergreens.  
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Bay State Nurseries, North Abington, Mass.  
Hardy, Northern Grown Stock.

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Bobbink & Atkins, Rutherford, N. J.  
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August Rolker & Sons, New York City.  
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**NUT GROWING**

The Nut-Grower, Waycross, Ga.  
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**ONION SEEDS**

Schilder Bros., Chillicothe, Ohio.  
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**ONION SETS**

Leonard Seed Co., Chicago, Ill.  
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Everette R. Peacock Co., Chicago, Ill.  
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Schilder Bros., Chillicothe, Ohio.  
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**ORCHID FLOWERS**

Jas. McManus, New York, N. Y.  
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**ORCHID PLANTS**

Julius Roehrs Co., Rutherford, N. J.  
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Lager & Hurrell, Summit, N. J.  
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**In writing to Advertisers kindly mention Horticulture**



### WHOLESALE FLORISTS New York

H. E. Froment, 148 W. 28th St.  
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James McManus, 105 W. 28th St.  
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W. F. Sheridan, 133 W. 28th St.  
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P. J. Smith, 131 West 28th St.  
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Moore, Henz & Nash, 55 and 57 W. 26th St.  
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Charles Millang, 55 and 57 West 26th St.  
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W. P. Ford, 107 W. 28th St.  
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J. K. Allen, 118 West 28th St.  
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The S. S. Pennock-Meehan Co., 117 West 28th St.  
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Traendly & Schenck, 436 6th Ave., between 26th and 27th Sts.  
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Badgley & Bishop, Inc., 34 West 28th St.  
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Woodrow & Marketos, 37 and 39 W. 28th St.  
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Riedel & Meyer, Inc., 49 West 28th St.  
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George C. Siebrecht, 109 W. 28th St.  
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Gunther Bros., 110 West 28th St.  
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D. C. Arnold & Co., Inc., 112 West 28th St.  
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Henry M. Robinson Co., 55-57 W. 28th St.  
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W. R. Siebrecht, 114 West 28th St.  
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Herman Weiss, 106 West 28th St.  
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J. J. Coan, 115 West 28th St.  
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#### Philadelphia

Leo Nielson Co., 12th and Race Sts.  
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Edward Reid, 1619-21 Ranstead St.  
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The S. S. Pennock-Meehan Co., 1608-20 Ludlow St.  
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#### Richmond, Ind.

H. G. Hill Co.  
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#### Rochester, N. Y.

George B. Hart, 21 Stone St.  
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#### Washington

The S. S. Pennock-Meehan Co., 1216 H St. N. W.  
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## New Offers In This Issue

### HIGH-GRADE HAND-MADE GREENHOUSE GLASS.

Johnston Brokerage Co., Pittsburgh, Pa.  
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### HARDY PERENNIAL PLANTS.

Palisades Nurseries, Inc., Sparkill, N. Y.  
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### ROSES THAT BLOOM FROM JUNE TO NOVEMBER

M. H. Walsh, Woods Hole, Mass.  
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### GREENHOUSE CONSTRUCTION.

King Construction Co., North Tonawanda, N. Y.  
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### BURPEE'S SEEDS GROW.

W. Atlee Burpee & Co., Philadelphia, Pa.  
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### PINO-LYPTOL WEED KILLER.

Pino-Lyptol Chemical Co., New York City.  
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### HARDY PERENNIALS—ROSES—DECORATIVE AND AQUATIC PLANTS.

Henry A. Dreer, Philadelphia, Pa.  
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### JACKSON PECANS.

Jackson Pecan Groves Co., L. A. Towner, Agt., Chicago, Ill.  
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### HARDY PERENNIALS AND HERBACEOUS PLANTS.

R. & J. Farquhar & Co., Boston, Mass.  
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### WHOLESALE FLORISTS.

Chicago Flower Growers' Assn., Chicago, Ill.  
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Geo. B. Hart, Rochester, N. Y.  
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### WHOLESALE FLORISTS.

Zech & Mann, Chicago, Ill.  
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### PLANTS FOR ALL SEASONS OF THE YEAR.

Frank Oechslin, Chicago, Ill.  
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### WANTED—OLEANDER PLANTS AND ORANGE TREES.

Alexander McConnell, New York City.  
For page see List of Advertisers.

### FOR SALE

#### A GOOD CHANCE TO BUILD A GREENHOUSE AT ONE-HALF COST.

FOR SALE: Greenhouse Rafters, Ridge Pole, Ventilators and Doors, all Cypress wood; also, Ventilating Machines, Shafting and Arms, and Wrought Iron Pipes, 1½, 1½ and 2 in. These articles are not new but in good condition, and well worth the cost. If interested, write to

CHAS. HOFFMEYER, Carnegie, Pa.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick, A and B qualities. Market dropped. Now is the time to buy and save money.

PARSHESKY BROS., INC., 215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE—Modern Greenhouse Plant, located in city of thirty thousand. Address E. A. CHURCHILL, 41 Royal St., Lowell, Mass.

### MISCELLANEOUS

GREENHOUSES TO LET, 30 x 100 and 10 x 105 ft., suitable for Geraniums. MRS. PRISCILLA GRASSIE, 92 Bartlett Ave., Waverley, Mass. Tel., Belmont 151-M.

## WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 147 Summer St., Boston.

### HELP WANTED

HEAD GARDENER—Married, Scotch or Swede preferred, without family; must have thorough experience in greenhouse and outside gardens; permanent situation. Gardener's cottage provided. Address in own writing, "T. S. T.," P. O. Box 1723, Boston.

WANTED—An under gardener, single, permanent position, near Boston. Swede or Scotch preferred. Must be experienced with horse. Address "T. S. T.," P. O. Box 1723, Boston.

### SITUATIONS WANTED

SITUATION WANTED—By married man, 34 years old, 12 years nursery experience, 6 years as foreman. Address "V. G.," care HORTICULTURE.

SITUATION WANTED—By single man, 16 years' experience in all branches; first class references. Intend to change by 15th of April—on private estate. Address "B. S.," care of HORTICULTURE.

WANTED—Young man, college graduate, would like a position. Some experience in floriculture and landscape gardening; four years on market garden; some journalist experience. Open to any good offer. Address "G. Q.," care HORTICULTURE.

POSITION WANTED—New England preferred, by experienced and reliable single man as foreman for general landscape work; practical knowledge and nursery experience with hardy trees, shrubs, herbaceous plants and hardy conifers; grading, etc. Address "M.," care HORTICULTURE.

### AMERICAN GLADIOLUS SOCIETY.

Notice is hereby given that the variety Crystal White, formerly called "Paper White," is submitted for registration by H. H. Baer, of New Hyde Park, N. Y.

The Nomenclature Committee suggests a new method of registration, viz., the publication of a brief description with the suggested names for the varieties submitted for registration. If there is no objection to this name before April 1, this variety will be registered as Crystal White.

Description:—Bloom medium size (8 cm.). Stamen filaments white, anthers bluish; perianth white, blotched Tyrian rose. Seems a compact bloom of good substance, five blooms being open at one time. It is early to mid-season, tall, erect, and bears a large number of blooms (21); is a vigorous grower and well furnished with medium broad leaves; seems rather prolific.

A. C. BEAL,  
Chairman Nomenclature Com.

At the April meeting of the Gardeners' and Florists' Club of Boston, F. A. Smith, principal of the Essex Agricultural School, Hathorne, Mass., will lecture on "Orcharding." Mr. Smith is a well-known orchard expert, and none should miss hearing him.

# In writing to Advertisers kindly mention Horticulture

## Obituary

Reuben Arnold

Reuben Arnold, one of the best known horticulturists in the United States, died at his home in Cambridge, Mass., on March 16, 1916. He was 70 years of age. He had been in poor health for a year, but death was made her home with him.

Alexander Nelson.

Alexander Nelson, well known throughout New England and particularly about Boston for the past 40 years, in his business of boiler setting, piping and general greenhouse heating jobbing, died at his home in Cambridge, Mass., on March 16. His age was about 70 years. He had been in poor health for a year, but death was due to pneumonia.

Charles W. Northrup.

Charles W. Northrup passed away at his home in LaGrange, Ill., on March 12th, at the age of 65 years. Mr. Northrup was one of the early settlers and his place was originally a private one, but gradually grew to be commercial. His own time was mostly spent at the La Grange bank, of which he was an officer. His influence in the beautifying of his town was marked and to him is due in large measure the appreciation of the use of flowers and plants around the homes. The greenhouses were torn down two years ago but the grounds continue to be one of the beauty spots of that Chicago suburb.

Charles E. Pierce.

The sympathy of the entire trade is with the relatives of the late Charles E. Pierce, of Bowen Road, Washington, D. C., who passed away last week at the Casualty Hospital, to which place he was taken after becoming ill at his home. He was thirty-nine years of age and was the son of the late William P. Pierce, who died about ten years ago. The senior Pierce had been in the florist business for about twenty-five years prior to the time of his death. Mr. Pierce is survived by four brothers, James F., John H., William T. and George E. Pierce, and the funeral was held from the residence of his brother William. The interment was in Forestville, Md.

David H. Sheehan.

David H. Sheehan, for 22 years superintendent of the public parks of Brookline, Mass., died on Thursday evening, March 16, of acute bronchitis, following a long period of ill health. Mr. Sheehan has been long associated with the gardening business in Boston and vicinity. For a number of years previous to his appointment on the Brookline parks he was employed in the Boston public grounds under William Doogue. He was born in Dublin, Ireland, 72 years ago, took an agricultural course at Trinity College in Dublin and was graduated from that institution. He came to America and settled in Cleveland, later coming to Boston.

Mr. Sheehan was an industrious and

able public servant and one of the highest respect among the gardening fraternity. Four children survive: Dr. Thomas Sheehan, Miss Marie J. Sheehan, Dr. Martin D. Sheehan of Stoneham and Edward P. Sheehan, assistant superintendent of parks and playgrounds in Boston.

Mrs. Matthew Crawford.

The tragic death of Mrs. Matthew Crawford has brought a thrill of sorrow to a large circle of friends, and among these The Gladiolus Society of Ohio, of which she was a highly esteemed charter member, desires to express its appreciation of her beautiful life, and of its loss in her sudden passing away. United with her, as we have been, in the love of the good, the true, and the beautiful, under circumstances that have revealed to us the worth of her character, we will each feel as a personal loss her being so strangely and suddenly called away, beyond the reach of our association and friendship, and we shall never forget what her life has meant to us, and to all who have known her.

The suddenness and shock of her death intensifies the grief we feel at the loss of her companionship, and will but fix more indelibly in memory the loving thoughts that will long be cherished in the hearts that have known her so long and so well, and even of those who have only of late come into the circle of her friends. A beautiful and useful life, extended through many years, growing into the loving appreciation of devoted friends, and the glad looking forward to even better things yet to be—what more has life to offer than this?

And so, while we offer sincere and heartfelt sympathy to bereaved family and friends, whose loss we also in lesser measure feel, we know there is a strain of gratitude even in our grieving—we see the heavenly sunshine gilding our tears, and holding up before us the bow of hope, until, numbering this friend with others "loved and lost awhile" we say—Farewell, departed one, but not forever—We shall meet again, Friend of happy days

gone by

COMMITTEE

## PERSONAL.

John Thompson has been appointed head gardener on the Gen. Champlin estate, Rye Beach, N. H.

James McDougal, formerly of Glen Cove, is now head gardener on Hearts Delight Farms, Chazy, N. Y.

Robert Taylor has taken charge of the greenhouses on the Russell H. Bogg estate, Sewickley Heights, Pa.

Urquhart Trail, formerly employed by Gregory, the Florist, Manasquan, N. J., has accepted a position on the estate of F. W. Woolworth, Glen Cove, N. Y.

Joseph Wood is the new superintendent on the estate of F. H. Kalbfleish, Babylon, N. Y. He was formerly employed at Cloverhurst Farm, Bridgeport, Ct.

John Forbes, formerly at the Brookdale Gardens, Madison, N. J., is now greenhouse superintendent and gardener on the estate of Hobart J. Park, Portchester, N. Y.

# EVERYBODY WHO IS ANYBODY

Will want to know all  
about the

## National Flower Show

in Philadelphia—who was  
there and what they did at  
this, the greatest horticultural  
and floral event of  
the years.

## HORTICULTURE'S NEXT ISSUE

will tell all about it in its  
usual concise and lucid  
manner.

## They'll All Read It

AND

## They'll Read It All

And so, as a publicity  
medium it will have no  
superior. If you want to  
do business with the best  
people in the horticultural  
industries advertise in the

## Flower Show Number of HORTICULTURE and you'll

## GET YOUR WISH

Last forms go to press on  
Thursday afternoon,  
March 30th. Now's your  
opportunity.



## WEED KILLER

THE VERY NEWEST AND QUICKEST METHOD OF DESTROYING WEEDS, GRASS AND OTHER GROWTH IN GARDEN WALKS, GUTTERS, TENNIS COURTS, DRIVEWAYS, ETC.

This fluid absolutely destroys all weeds and other growth wherever applied, and its effect on the ground prevents the growth of fresh ones for a year and thus saves a great deal of time and labor, as no cutting, hoeing or hauling away of the weeds is required.

We manufacture the strongest line of DISINFECTANTS on the market.

**P.-L. CHEMICAL CO., 507-509 W. 19th St., New York**

CORRESPONDENCE SOLICITED.

### PUBLICATIONS RECEIVED.

The Standard Cyclopaedia of Horticulture; L. H. Bailey. The appearance of Volume 4 of this monumental work will be a welcome event for many ardent horticulturists, judging from the incessant inquiries we have received during the past few months as to when the next volume might be expected. Two more volumes will complete the set. Volume 4 includes topics from L to O inclusive, pages 1761-2422 and figures 2048-2693. So there are 661 pages of text and 645 cuts in this volume. In addition to this there are 20 full page plates of much beauty, of which 4 are in colors. We know of no work with which this can be compared except the older and first edition. The elaborations and additional matter make it practically a new production as compared with its predecessor. In this volume a new section under the heading of North American States occupies 142 pages, devoted to the horticultural history, industries and products of the entire country. Landscape gardening makes a very interesting section of 41 pages, among the contributing authors being Issa Tanimura, Wm. Verbeck, Ferruccio Vitale, A. W. Cowell, F. L. Olmsted, O. C. Simonds, F. A. Waugh, Wilhelm Miller, Samuel Parsons and L. A. Berckmans. "Orchids," as a general topic, fills 23 pages, in addition to six pages of oncidiums, eight of odontoglossums, etc., this being more than double the space devoted to this subject in the older Cyclopaedia. There are 17 pages of Liliium and 10 pages of Lonicera.

The foregoing will suffice to give a faint idea of the incomparable superiority of this new edition.

We find, however, some apparent discrepancies in the matter describing *Nephrolepis*—a genus which is very exhaustively treated—in which the variety *Piersoni* is mentioned as having been the first of the two-pinnate forms of *exaltata* to appear. We think this is not authentic as the variety *Fosteriana* (Anna Foster) was the first break according to indisputable records, having been discovered in 1890 and disseminated in 1892 and the variety *Piersoni* was not sent out until the following year.

Bailey's Cyclopaedia is indispensable to anyone making horticulture his business or his pastime, and the enormous sale already reached while the set is still incomplete shows that this fact is generally realized. For the worker to whom the investment for the full set at once would be a formidable proposition, the payment of six dollars each for the volumes as they appear, at intervals of several months, is comparatively easy. Those who have not already done so should lose

Use This  
Pure Plant  
Food



For Your  
Garden and  
Lawn

### A SHREDDED MANURE HUMUS COMPOST

MAGIC HUMUS is a pure plant food unleached and unburnt. Its analysis proves that it contains potash, phosphoric acid and nitrogen in available form. These essentials, together with Compost make a ready soil builder.

MAGIC HUMUS COMPOST is the one Compost that possesses the body and fibre to absorb and retain nature's moisture a long time after it is put into the ground.

Ordinary commercial fertilizer contains no Humus, cannot spread its fertilizing properties and is only available to the soil in the spot where the material is drilled in.

MAGIC HUMUS spreads itself and enriches the soil all around. It comes to

the gardener after months of careful preparation, thoroughly dried by Nature, free from weed-seed, without the odor so peculiar to other fertilizers, is sanitary and agreeable to handle.

MAGIC HUMUS can be used on the top of sand or hard ground as a soil, or cultivated into the ground in the garden with a hand cultivator or plow.

The garden receiving a liberal application of MAGIC HUMUS Compost is permanently enriched with plant food and soil.

Seven 100 lb. Bags \$5.00  
Single Bag, 100 lbs., 90c.

f. o. b. New York or Jersey City on any railroad or steamboat line.

### HIGHGRADE MANURE COMPOST CO.

G. W. CHANDLER, Sales Agent

533 West 29th St., New York or 68 Maple Ave., Red Bank, N. J.



### IMP. SOAP SPRAY

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

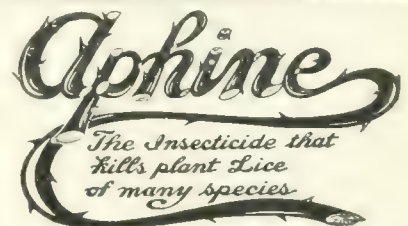
LOOK FOR THE IVY LEAF TRADE MARK.

Ask your dealer or write

**EASTERN CHEMICAL CO., BOSTON**

no time in ordering the four volumes which have now been published, for which the price is \$24. These can be ordered from the office of HORTICULTURE, 147 Summer Street, Boston.

The American Rose Annual. Published by the American Rose Society, edited by J. Horace McFarland. We have already given some advance notes on this publication all of which, now that the work has been completed and sent out, we would gladly repeat. The book more than fills the promise made for it and marks a forward step by the American Rose Society which cannot fail to stimulate membership in that excellent organiza-



The Recognized Standard Insecticide. A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$4.50.

### NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

Quart, \$1.50; Gallon, \$4.50.

Until further notice shipments on our products FUNGINE, VERMINE and SCALINE will be subject to conditions of the chemical market.

Prompt shipments can be guaranteed on APHINE and NIKOTIANA.

**Aphine Manufacturing Co.**  
MADISON, N. J.



**NIKOTEEN**  
For Spraying  
**APHIS PUNK**  
For Fumigating

Ask Your Dealer For It.  
**NICOTINE MFG. CO.**  
ST. LOUIS



## A PROMINENT CARNATION GROWER SAYS THIS ABOUT THE STANDARD RECORDING THERMOMETER

Standard Thermometer Co.,  
Boston, Mass.

Lancaster, Pa.

Gentlemen:

I've sent me 25 record plates like the enclosed sketches and I want to say that the machine, bought a good many years back, is keeping up its good work right along. I think it a very useful adjunct to good plant growing, and it should be in every greenhouse, as reference to it may often tell what is wrong with a batch of plants.

Very truly yours, ALBERT M. HERR.

The actuating element of the Standard Recording Thermometer is of lamina metal which, besides being extremely sensitive to temperature changes, is practically indestructible. Record charts are furnished either daily or weekly, and the whole mechanism is contained in an attractive metal case fitted with lock and key, which insures the record from being tampered with.

The clock movement is of extremely high grade; everything about the instrument is up to the highest possible standard of manufacture.

Write for full particulars to the

**STANDARD THERMOMETER CO.**  
65 Shirley Street, Boston, Mass.

CHART 8" DIAMETER  
Price, \$25 00  
Daily, No. 8,  
20° to + 120°  
Weekly, No. 2,  
20° to + 130°

Supply of charts, specially prepared record-plates furnished with each instrument.

Est. 1765

Inc. 1904

Pot Makers for a  
Century and a Half

# HEWS

STRONG  
RED  
POROUS

# POTS

World's Largest  
Manufacturers

Standard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower. Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.

Write for Catalogue  
and Discounts

**A. H. HEWS & CO., Inc., Cambridge, Mass.**

Warehouses:  
CAMBRIDGE, MASS.  
NEW YORK, N. Y.

tion. The society is on the right track and is fortunate in having found a friend so good and useful as Mr. McFarland to give his time and experience to the preparation of this volume. Mr. McFarland's relation to the enterprise has been of a distinctly philanthropic character, inasmuch as the labor of getting together, editing and publishing has been done without compensation and the commercial organization with which he is connected has agreed to split the loss on this first issue with the American Rose Society.

As mentioned in our previous notice, the contents of this publication cover a wide field of practical information, from the pens of a number of writers fully competent and influential. One of the most notable features is the section devoted to the insects and diseases of the rose. The information therein given is equally desirable for the commercial cut-flower man and the amateur. There are 180 pages, with two colored plates and a number of handsome halftones. Copies of the book are supplied free to members of the American Rose Society. Others may obtain the Annual by remitting \$1.00 for Associate Membership to the secretary, Benjamin Hammond, Beacon, N. Y.

The Gardeners' and Florists' Annual for 1916. A Digest of the Events of the Horticultural Year. A year book for florists, seedsmen, nurserymen, gardeners and all interested in horticulture. This exhaustive compendium

of useful information found a ready welcome on its first appearance last year and will, no doubt, find a still larger circulation in this new issue, in which are included many new features. The work has been very thoroughly done by the editor, J. Harrison Dick. It is published by the A. T. DeLaMare Ptg. and Pub Co., New York. Price 50 cents.

### GREENHOUSES BUILDING OR CONTEMPLATED.

Oakwood, O.—The Heiss Company, house 50 x 250.

Minneapolis, Minn.—Ernest H. Maze, house 60x125.

Orville, Pa.—George Didden, Lord & Burnham house 35x150.

Bala, Pa.—H. J. Muller, Lord & Burnham house 25x175.

Orange, Tex.—H. J. Litcher, Lord & Burnham house 33x75.

Kane, Pa.—Kane Greenhouses, Lord & Burnham house 28x150.

Philadelphia, Pa.—W. S. Duling, Lord & Burnham house 18x50.

Toughkenamon, Pa.—Richards Bros., Lord & Burnham house 40x400.

Glen Morris, Md.—Philip B. Welsh, Lord & Burnham house 37x100.

Rock Island, Ill.—Ludwig Stapp, three Moninger houses each 74x300.

Indianapolis, Ind.—Roepeke Floral Co., East Washington street, one house.

Kennett Square, Pa.—J. Howard Thompson, Lord & Burnham house 40x200.

King Construction Company report

the following recent construction contracts: Sharon Hill, Pa., Robt. Scott & Son, propagating house, 16x250; Northbrook, Pa., C. P. Barnard, house 42x158, pipe-frame construction; Chalfont, Pa., Chalfont Cut Flower Co. (S. F. Lilley, Pres.), one pipe-frame house 35x250; one 12x133; Germantown, Pa., R. Jamison & Son, house 25x150; Atlantic City, N. J., Edwards Floral Hall Co., three connected propagating houses 10x50; Walter Thoms, house 18x50; Avondale, Pa., Pauline Saldutti, house 28x100; Riverton, N. J., F. S. Groves, iron-frame leanto 12x25; Villa Nova, Pa., Lewis R. Page, iron-frame, curved-eave house 31x50; Sewell, N. J., U. C. Wanner, iron-frame curved-eave house 18x25; Jericho, L. I. Mrs. Barger Wallach, iron-frame house 15x50; Garrettsford, Pa., James Verner, pipe-frame house 42x183.

### PATENTS GRANTED.

1,173,303. Process of Making Fertilizers. Spencer B. Newberry and Harvey N. Barrett, Bayridge, Ohio.

1,173,342. Sectional Weeder. George C. Darnell, Medford, N. J.

1,173,504. Weed Destroyer. Henry Nagel, Ritzville, Wash.

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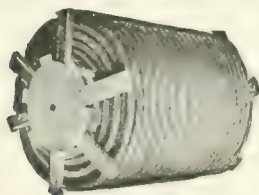
515-517 Havemeyer St., Brooklyn, N. Y.

### CATALOGUES RECEIVED.

Peter Henderson & Co., New York.—Implement and Tool Catalogue, 68 pages of requisites of every description for the garden and greenhouse. Illustrated.

Elm City Nursery Company, New Haven, Conn.—Price List of Woodmont Nurseries Stock. With the exception of the cover, which is strikingly adorned with dogwood flowers, white and pink, this publication carries no illustrations and is simply a price list of popular common and botanical names, sizes and prices, arranged in convenient form for reference.

W. Atlee Burpee, Phila., Pa.—Fortieth Anniversary Supplement. Not a catalogue but a very interesting and impressive companion book for the catalogue of this widely known house. Tells the history of Forty Years of Burpee Service in an entertaining manner, and as one reads the story of the small beginnings, the early struggles and the rapidly following success and growth of this great business, an irresistible twinge of sadness comes with the realization that the man whose genius and courage was thus rewarded is not still with us. The book is very handsomely illustrated.

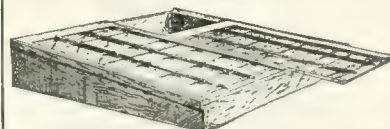


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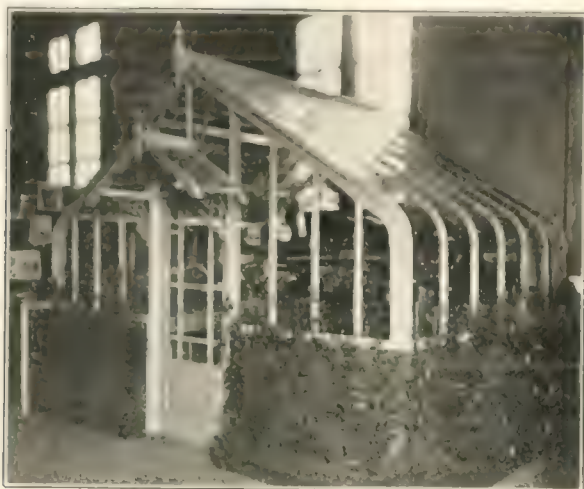
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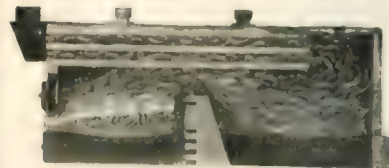
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ST. PAUL, MINN.

Saint Paul, Minn. September 2nd, 1915.

King Construction Co.,  
North Tonawanda, N. Y.

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Yours very truly

Supt. of Parks.



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ing with "Live-wire Therkildsen," one of the Philadelphia Show chairmen, he remarked that already he had, on request, made

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# HORTICULTURE

Vol. XXIII

APRIL 1, 1916

No. 14



*Photo by Bell & Howland, Phila.*

Partial View of the Fourth National Flower Show, Convention Hall, Philadelphia

## NATIONAL FLOWER SHOW NUMBER



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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—Pope.

## Azaleas

Easter is so late this year it will be a hard task to keep these plants back in order to have them in good condition three or four days before Easter. There will be little need of hastening azaleas for the great spring holiday, but should there be some plants showing merely a swelling of buds, then an increase in fire heat and an exposure to the brightest sunshine will likely bring them out in time. A very cool and shaded place, on the other hand, must be found for those too far advanced. To hold back the most forward ones place in darkened and very cool quarters, but azaleas must have water in sufficiency which may mean somewhat less for those in a cool place than those under regular forcing, but always enough to prevent any drying out at the roots. Ten days before Easter it will be just right for azaleas to be about half way out in bloom.

## Antirrhinums

Where antirrhinums are raised somewhat extensively, it is best to always have seedlings on hand as a source for annual propagation. The blooms of the seedlings are never quite so uniform in color as those raised by cuttings. The second growth coming in the form of sturdy shoots from the base of the plant makes the best cuttings that will produce long, large flowering spikes. It is time now to start stock for next winter's crop of flowers. The seeds of the tall and most improved kinds in separate colors—white, pink, red and yellow—are good for indoor bench culture. They are a very satisfactory flower for the florist to grow as they are persistent bloomers and have excellent lasting qualities. They can be grown in pots with frequent shifting during the summer.

## Easter Preparations

All flowering Easter stock will now be pot bound and will need copious watering especially hydrangeas, spiraeas and rambler roses. Narcissi and tulips which are in flats can be placed in pans now. Select the short and stocky ones and do it just before the flowers open. Treat hyacinths the same way. Pansies and double daisies that are coming into flower can be made up in pans or baskets. Such flowering shrubs as lilac, genista,

viburnum, deutzia, acacia, azalea and double-flowering cherries, plums and peaches should now be showing flower and would be better to be opened in a cooler house for the gradual hardening off of such stock. Some callas, cyclamens, begonias, stocks, geraniums, mignonette, primulas and many others can now be worked up for Easter trade. The most shapely plants and those that are sure to be in bloom, should be set aside.

## Perennial Border

To renew perennial border, as the ground dries up, remove the covering and look over the plants as the winter sometimes does considerable injury. It is a good plan to replant every fifth or sixth year, digging up all the plants and giving the soil a liberal amount of cow manure and bone. A good dressing of well-rotted manure thoroughly incorporated with the soil is absolutely essential. Before commencing to plant a border, it is well to construct tables or make a list of the material, specifying respective times of flowering, colors and altitudes so as to have a good arrangement.

## Swainsonas

Plants that have been growing thrifty will have a lot of material fit for propagation. The best cuttings are those selected out of the axil formed by the leaf and main stem. These can just be pulled out sideways and will not need any trimming. Place in a moderately warm propagating bench and by keeping them shaded and watered for about twelve to fifteen days they will root nicely, after which they can be potted into 2½-inch pots, using a compost of fibrous soil three parts, leaf mold and well rotted cow manure one part each. Keep shaded for a few days when they should have all the sun and light possible. These will make fine plants by Decoration Day as they are suitable for cemetery planting. Give them a temperature of from 55 to 60 degrees at night.

## Astilbe for Memorial Day

Where the young growths are a couple of inches high by this time they will be all right for Memorial Day. They will stand manure water twice a week which will improve the bloom and foliage. When they are full out give some shade.

Next Week:—Crotons; Dieffenbachias; Easter Preparations; Gloxinias; Palms from Seed; Starting Cobaea scandens.

## A Word to the Trade

In the advertising pages of this number you will find the Spring Trade Offerings of the Leading Dealers. These firms are in business to supply you and are worthy of the support which they ask for in these announcements. The special stock they offer is the best ever placed before the trade. Read what they have to say and then get busy with them as to prices and quantity.

**Good Times Are Here Again!**



## ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur Ruzicka*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

### The Flower Shows.

Business may keep you away from one of the shows, but it may be possible to attend the other. It will be well worth while. There will be more flowers than ever, with all the latest inventions, time savers and improvements in greenhouse construction, and all these will be well worth while seeing. Growers doing a retail business will do well to see that all their customers are informed of the show and many will think it a real treat to receive a ticket. The more people attending the better it will be for the florist trade all over, as the more the public see of flowers the more will they buy. There still are people who have never been to a flower show, and to send these to the coming show will make them enthusiastic about flowers, to say the least. If every grower secures two there will be quite a crowd.

### Keep the Houses Cool.

With the thermometer outside at 56 the snow is going very fast and we certainly hope we will not see any more until next winter. The sun is very warm on clear days and the result is that the houses will have to have good attention or they will become too warm. If this happens quite often the roses will become soft and a dose of mildew is almost sure to follow. There is very little use to air by the inch on a clear warm day. If the houses have been closed down at night they should have a crack of air first thing in the morning and more air added as soon as they begin to rise. As soon as four inches of air is put on and the houses rise, double the amount can be safely put on and this again doubled, until they are up full if necessary. It will be best to have them up full when they go up to 78, and if they go above this with full air on the heat will not hurt them so much as the air will not be so humid and the leaves will not become soft. In the wide houses the wind blowing in will not hit the plants very much for the vents are very high up, so there will be little danger of the plants getting chilled. In the small three-quarter-span houses, the plants are quite hardy as a rule and if the wind does blow in a little, it will do no harm. Do not allow any doors to remain open, for the draft from the cross houses will start new air currents and this may chill the plants for they will not be accustomed to it as they are to the air from the ventilators. Doors that are hard to close and are used a great deal should have springs attached so that they will close automatically after a person passes through. The end doors should not be used and the same is true of the side ventilators. The latter should not be used until the hot summer weather and then they should be looked after by an experienced man.

### Syringing.

The plants can hardly get too much syringing from now on and no opportunity to syringe should be lost. We have had quite a little cloudy weather the last two

or three months and there is bound to be a little spider here and there, and if these are not cleaned out they will spread very fast until they are beyond control and the result will be several hundred dollars damage to the plants, as it will take them quite a while to recover, if they succeed in getting over it. Syringe as rapidly as possible being careful to syringe the top benches first and then directing the stream so that all the spent water will fly into the walk if possible. The plants must not be dry when this work is done, for they would get burned badly. If inclined to be dry at all they had better get a watering, and defer the syringing for a day. However, by getting around early the houses can be watered early in the morning and they syringed later. Many growers syringe late in the afternoon or on cloudy days. This may be good and well where the water drains right down and the houses dry off quickly but we would never recommend it or do it ourselves. It is always best to have the plants nice and dry before night and to have them so it will be necessary to shake them after they receive their syringing. This should be done as soon as the house is finished, so that they will have every chance possible.

### Sulphur.

It will be necessary to use sulphur a little more freely from now on, and this especially on plants that are not sprayed to prevent mildew. A little applied to the pipes here and there will kill all the mildew as long as steam is used. Should there be any troublesome spots here and there it will be best to blow a little sulphur over these with bellows. It is not advisable to blow sulphur over all the plants, unless it is necessary, for the sun is quite strong and the fumes created when the rays hit the sulphur will bleach the buds pretty badly. Spraying with Fungine will be more effective and will not harm or discolor the buds or foliage. However, with proper attention paid to ventilation during the day and proper care of the fires at night, there should be little trouble with mildew, and a little sulphur applied to the steam pipes as stated above will take care of the little speck here and there that may appear in spite of good care.

### That Easter Crop.

Right now is the time to take care of the plants to insure nice roses for Easter. All buds that will be cut for the holiday will be shooting up now, and with proper feeding, watering and ventilating will turn out to be nice. It will not pay to run the houses warm to force the plants more, for if anything were gained by this method it would all be lost later and more. Keep the house cool, plants well fed and surrounded by pure sweet air, and you will be doing as much as you can. The plants will usually do the rest. It is best not to try to dictate to the plants. Give them ideal growing conditions, and if they have any vitality at all, they will respond accordingly.

# NATIONAL FLOWER SHOW

A Notable Triumph Exhibits of Exceptional Quality—A Great Trade Section—Trade Visitors from All Over the Country—Philadelphia Public Enthusiastic—List of Prize Exhibits

The great enterprise upon which the leaders of the S. A. F. and affiliated organizations, together with representative horticultural people of Philadelphia, have been preparing for so assiduously is now a reality. It opened on schedule time, Saturday afternoon, March 25, far from complete because of congested traffic conditions on the railroads, and exasperating slowness on the part of the express companies but far enough advanced to set at rest forever any doubts as to its success in every respect and with more than enough material to fill the big exhibition building to the corners.

It was a most glorious day—the opening of the long deferred spring weather. The exterior appearance as one approached the building was inspiring, H. F. Michell Co. and H. A. Dreer having adorned the lawns on either side with handsome evergreens, Michell including a brilliant display of hyacinths and tulips, while Adolph Muller had done his share in and around the entrance with groups of conifers. Inside of the building there was much confusion owing largely to the excess of material and the problem of finding a place for it all. There were S. A. F. members on all sides—old war horses and young recruits—

exchanging greetings and dodging betimes to avoid the scurrying exhibitors and helpers and noisy trucks. Promptly at 2 o'clock the music started up and shortly afterward the dignitaries of the city and the S. A. F. appeared on the balcony and words of welcome and expressions of responsive pleasure were voiced. Among the representatives of the S. A. F. participating in the opening formalities we noticed W. F. Gude of Washington, President McRorie of San Francisco, George Asmus of Chicago and the veteran Robert Craig of Philadelphia.

While this was going on the judges with commendable patience and faithful zeal were working away on their herculean job and it was not long before blue ribbons and red ribbons began to tell their story here and there, carrying joy here and consternation there and precipitating many a discussion as to the "why and wherefore."

The National Flower Show at Philadelphia is undeniably the most dazzling floral spectacle ever presented in this country. The vast space in the main hall, without pillar or obstruction of any sort, amply lighted from a roof of moderate height, lends itself well to an exhibition of this character and whatever defects one might find are mainly due to the superabundance of exhibition material.

## EXHIBITORS AND AWARDS.

Philadelphia's Convention Hall, occupying an entire city square, proved to be far too small for the exhibits, and there is really enough plant and flower material throughout its acres of floor space which would easily fill two halls of such area. Many of the groups are massed as close as the pots can be placed together, and the aisles are totally inadequate for the throngs of visitors. Apart from the impressiveness of the groups from the view point of the general public, there are some features of this exhibition which to the professional present qualities of excellence and novelty seldom reached.

Lists of first and second prize awards in detail are at all times very dry reading and in that form they interest but few. In the present instance where the schedule comprises nearly one thousand classes, each including first and second prizes, we have preferred to condense considerably without, however, intending to omit mention of any worthy winner. While not intending to make any suggestion of comparative priority or value or to overlook any of the many exhibits which won honor in the various classes, we name a few outstanding exhibits which impressed us as exceptional in their character. Taking up the decorative plants we would mention first the group of acacias arranged by Thomas Roland. We have not words at our command to fully describe the beauty of this group. It was a picture never to be forgotten and if Boston gets nothing else in the shows of 1916 this one triumph is sufficient. The group comprised thirty varieties of acacias, altogether three hundred plants, inclusive of a splendid line of *Erica melanthera* which formed the outline of the group. The acacias were superbly flowered and in size up to twenty-five feet in height.

The garden of hybrid tea roses by H. A. Dreer, which was not entered in competition but which was the winner of two special gold medals, was one of the most deservedly admired exhibits in the hall. It must have occupied a space of not less than one thousand sq. ft. and the roses which were arranged in four long beds bordered with sod were remarkable for their splendid foliage and flowers. We do not think there ever was a group of garden roses staged in this country to equal it. At each end there was a bed of bulbs in flower and in the center a basin of aquatics. In passing we might mention two new *nymphaeas* shown here. One was a new hardy



A ROSE BED IN THE DREER GARDEN.



FIRST PRIZE ROSE GARDEN BY ROBERT CRAIG COMPANY.

French hybrid named Picciola. It is a decided advance over all others in earliness, as last year it was in bloom outside on April 28th. The other was raised at Riverton and has been named Dreer's True Blue. It is unquestionably the deepest purple in color of any variety yet introduced. We understand that Messrs. Eisele, Clark and Anderson were responsible for the growing and arranging of the Dreer rose exhibit.

The two rose gardens in competition, arranged by the Robert Craig Company and A. N. Pierson, Inc., were among the sensational attractions of the show and were a center of great interest to visitors. Craig's production, which won the first prize, was a walled-in Italian garden with a fine piece of lawn bordered with roses in bloom and with a central fountain. A stone seat with hat and sunshade carelessly thrown on it gave a very inviting appearance, and altogether it was a very attractive looking spot. The Pierson exhibit was enclosed with a rustic fence, over which climbing roses were trained and it made a very sweet picture, showing dainty arrangement. It was intended to represent an English cottage garden. In the rear there was a cozy looking rustic arbor and seat. In this garden was shown the new bright pink double-flowered climbing rose named Elizabeth Ziegler, which is to be disseminated in 1918 and which received a special silver medal.

Julius Roehrs Co. staged some magnificent displays. Their group of orchids arranged with a mirror imitation of a pool of water in which the flowers were reflected and with a beautifully flowered specimen *Miltonia* shown in an illuminated velvet frame made a very effective showing. Roehrs' rock garden was another very much admired exhibit. It was arranged with much skill and attracted many people who seemed to be particularly

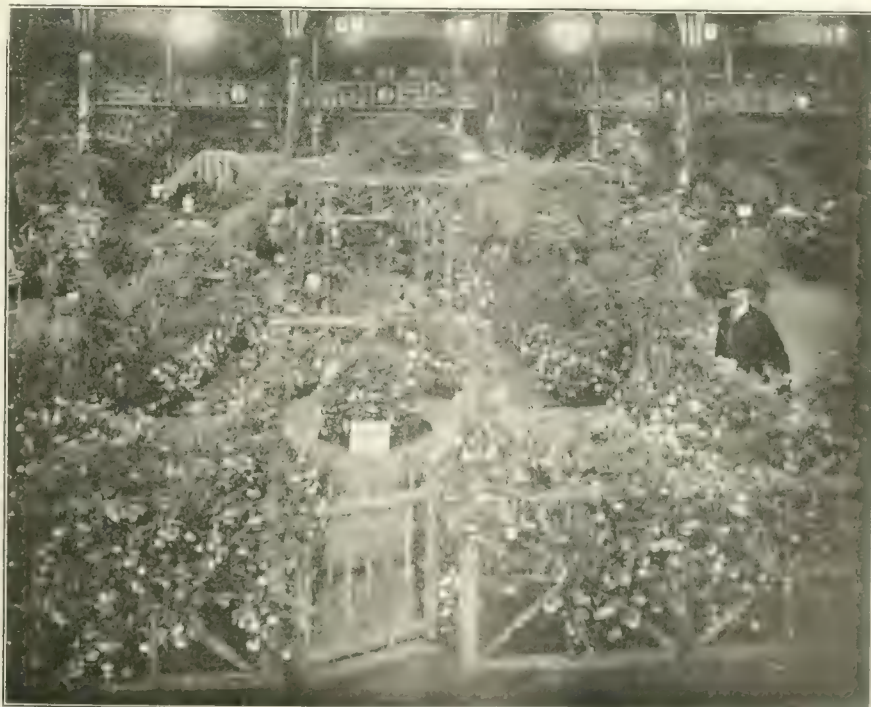
interested in the little rockery plants shown. Messrs. Roehrs were quite elated over the fact that they won a prize in every entry which they made, the rock garden, the orchid group and a number of individual orchid plants having scored first prize. Louis Burk also showed a rockery arrangement which was very effective. Orchids were banked up alongside of a waterfall, below which was a rocky pool with ferns and bog loving plants naturally planted. It made a very artistic picture.

M. H. Walsh's Rambler roses are

always a center of much interest and his exhibit on this occasion was no exception. Quite a number of novelties were shown in trained pyramidal form, and here again much interest was evinced by the public in the names of the various varieties found there. W. A. Manda brought one of the largest exhibits. He had some very extensive groups of decorative plants and flowering bulbs, as well as orchids and other leading classes.

One of the best displays in the hall and one which attracted much attention was the big formal Holland bulb garden by Michell's Seed House. This was backed with a typical Holland scene with moving electrical illuminated mill wheel and a grass-lawn and pebbled walks fenced in with a rustic railing. This exhibit was in the trade display class, but its character was such that we cannot well omit mention of it right here. F. R. Pierson was as usual an unrivalled exhibitor of *nephrolepis* in all the many beautiful varieties which have emanated from his place. There were some very elegant specimens in this group.

The large plant groups from the Philadelphia estates really made the show from the standpoint of stately effect. Some of the palms were enormous. Among the big contributors of these gigantic specimens was Thomas Long, gardener to G. W. C. Drexel, who in addition to his other winnings captured a special silver medal for a beautiful plant of *Dracaena tricolor*. Another large contributor of stately foliage plants was Wm. Kleinheinz, gardener to J. E. Widener, and there were also many fine specimens from J. W. Pepper. We might briefly mention some of the other exhibits which were admired, as follows: W. Atlee Burpee made a superb showing of sweet peas, artistically arrayed, most of the varieties being Mr. Kerr's new Spencer seedlings. Sweet peas, in-



ROSE GARDEN BY A. N. PIERSON, INC.

cluding many new varieties were also shown for the first time by A. C. Thompson, New York. Some of the best tubs, grown for Mr. Zvolanek by Gude Bros., Washington, a beautiful white specimen in the form of a little vase with yellow and red markings by R. M. Thompson, for W. H. Thompson.

son, Yonkers; crotons and dracaenas in beautiful specimens from Robert Craig Company, aquatic plants with flowering specimens from Wm. Trick, etc. The results of these prizes being well shown in the fact that they looked well after being in flower a short time.

## THE AWARDS

The first prize awards, taking up the classes as arranged in the schedule, beginning with the private growers' classes, were as follows:

Wm. Kleinheinz is recorded as winning first prize in all classes, including lilacs, rhododendrons, crotons, kentias, phoenix, palms, nephrolepis, orchids and bulbs, altogether thirty first prizes, besides quite a number of seconds.

J. H. Dodd, Lydenhurst, gardener for John Wanamaker, won first on anthuriums, gardenias, nemesias, pansies, *Primula malacoides*, cycas, dracaenas, kentias, palms and bay trees.

J. W. Pepper, Jenkintown, was another large winner, taking first on cyclamen, phoenix, stag's horn fern, hyacinths, narcissus, tulips, lily of the valley and callas, several classes being included in some instances.

W. L. Ellis, Bryn Mawr, first on amaryllis, heliotrope, primulas, group of blooming plants and selaginellas. Howard Gould, Fort Washington, N. Y., amaryllis hybrid. S. T. Bodine, Villa Nova, specimen anthurium, nepenthes.

Josef Goetter, Devon, cinerarias, primulas, group of flowering and foliage plants. Edgar Scott, Lansdowne, cinerarias. G. H. McFadden, Rosemont, genistas, astilbes, tulips, narcissus, Darwin tulips. John Gribbel, Wyncote, marguerites, schizanthus. Edgar T. Scott, schizanthus.

Thos. McKean, Rosemont, spiraeas, narcissus, tulips. Joseph Crowther, Devon, spiraeas. W. H. Smith, Bryn Mawr, flowering plants. Thos. W. Logan, Jenkintown, specimen wistaria, davallia, tree fern, Darwin tulips, breeder tulips.

John Dunn, Lansdowne, group of flowering plants arranged for effect. Mrs. Chas. Wheeler, Bryn Mawr, mushrooms. John Hobson, Radnor, crotons. T. W. Geary, Chestnut Hill, crotons. J. Goodier, Trenton, N. J., kentias.

Thos. Long, Bryn Mawr, phoenix, specimen foliage plant, adiantums, cibotium, fern groups, gleichenia, gonophlebium, polypodium, pteris. C. G. Roebeling, various orchid classes. H. A. Poth, hyacinths, tulips, Easter lilies. Thos. Gaynor, narcissus, tulips in many classes, callas. G. W. Elkins, Elkins Park, adiantums. Louis Burk, gardener J. C. Wurst, many orchid classes. Miss Thompson, tulips, narcissus. Eugene Burkhart, Torresdale, gardener for R. F. Forderer estate, miniature lawn with flower beds.

The foregoing were all more or less represented in the second premium list also.

In the plant section for classes open to all, Wm. Kleinheinz won on Easter lilies and H. A. Poth on geranium Helen Michell. On cut flowers, W. A. Manda won on display and collection of orchids, also on nine specimen

flower classes. A. F. Smith of Newtown and Kessle Bros. of Penn Yan, won on antirrhinums. W. L. Ellis on freesias. A. J. Loveless, Lenox, Mass., on lupins, stocks and violets. J. L. Carter of Narberth, on mignonette. Wm. Sim, Cliftondale, Mass., on pansies. C. F. Cusper, Rhinebeck, N. Y., on violets. Charles Henry Fox, Philadelphia, Pa., on wall flowers.

On dinner table decoration open to private gardeners only, W. B. Thompson, Yonkers, N. Y., won the gold medal, the silver medal going to Miss Thomson, Merion, Pa.

In section K, devoted to plants in flower by commercial growers, Thomas Roland won all the prizes, first and second, in all the classes for acacias. W. A. Manda was first on anthuriums, and *Azalea mollis*. Robert Craig Company, bougainvilleas, cyclamens, group of flowering and foliage plants arranged for effect, hydrangeas three classes, rhododendrons four classes, astilbes two classes and wistaria. Julius Roehrs Company, collection of forced shrubs, herbaceous plants, etc., arranged for effect. Wm. Sim, bed of pansies. Knight & Struck Company, collection of ericas, etc.

In the section devoted to bulbs in flower, commercial growers, Robert Craig Co. was first on lilies, fifty pots, and A. E. Wohler, Narberth, narcissus twenty pans, while H. F. Michell Company won the gold medal and first prize for display of bulbs, etc., arranged as a Dutch bulb garden with accessories.

On ferns and selaginellas for commercial growers, W. A. Manda was first on twelve ferns, stag's horn fern, tree fern and specimen fern. F. R. Pierson Company, nephrolepis collection and specimens.

In the orchid section for commercial growers, Julius Roehrs Company won first prize and gold medal for group arranged for effect, collection of six plants, and six specimen classes of various orchids. W. A. Manda, first on twelve plants, on twenty-five cypripediums, six specimen classes including the gold medal for hybrid orchid raised in America. Lager & Hurrell, brasso-cattleya specimen and three other specimen classes.

On palms and foliage plants for commercial growers, W. A. Manda won on arecas, box trees, cocos, ficus, kentias, phoenix, specimen palm, stove and greenhouse plants, yew trees, forced shrubs and herbaceous plants arranged for effect, collection of conifers, collection of Japanese maples, eighteen prizes altogether. Robert Craig Co. won on dracaenas, *Ficus pandurata*, Phoenix Roebelinii, crotons and cycas.

For the sake of brevity, we have omitted the winners of second prizes in the foregoing classes, but the list

was composed mainly of the names winning first prizes in various other classes.

### ROSES.

Roses in pots and tubs by commercial growers were staged on Saturday, March 25th. Cut roses were staged on Monday, March 27th. As before mentioned, the principal interest attached to the display of rose plants arranged as a rose garden, any or all classes, covering 500 sq. ft. with appropriate accessories. First prize, \$500, was won by Robert Craig Co.; second prize, \$300, by A. N. Pierson, Inc.; third prize, \$300, by M. H. Walsh, Woods Hole, Mass. On display of rose plants covering 200 sq. ft. of space arranged for effect, A. N. Pierson won first, \$200, and Robert Craig Co., second, \$100. M. H. Walsh was first with specimens Lady Gay, Hiawatha, Excelsa and Mrs. M. H. Walsh. A. N. Pierson was first on specimen Tausendschoen. The American Rose Society's silver medals were awarded to M. H. Walsh for unnamed seedling, A. N. Pierson, Inc., for Elizabeth Ziegler and R. Witterstaetter for Tausendschoen sport.

Competition was quite lively in the various classes of cut roses, staged on Monday, March 27th. In order to make room for the roses, it was necessary to rearrange a considerable section of one end of the hall to accommodate the exhibitors, so that many of the bulb classes which had been staged on Saturday were necessarily removed into crowded back quarters and other exhibits were condensed even more than they had been at the start. The exhibition of blooms was sensational in the extreme. The flowers were of the highest class throughout and it can safely be said that never before in this or any other country were such magnificent blooms of forced roses displayed. They came from long distances in some cases and really there was not a discreditable exhibit in the whole lot.

There were five entries for the prizes for vases of 100 American Beauties. Myers & Samtman of Chestnut Hill, Pa., won the first prize, George Burton, Chestnut Hill, second, and L. A. Noe, Madison, N. J., third. In the class for 50 American Beauties, Myers & Samtman were again winners, with F. R. Pierson Co. second. Mrs. Charles Russell was shown in unbeatable form by French & Salm, Union Grove, Wis., second going to Aug. Doemling, Lansdowne, Pa. For Mrs. George Shawyer, 100 blooms, John H. Dunlop, Toronto, won first, and A. N. Pierson, Inc., second. Winners in the various Killarney classes were A. Farenwald, Roslyn, Pa., Bedford Flower Co., Bedford Hills, N. Y., and Joseph Heacock Company, Wyncote, Pa., seconds going to A. N. Pierson, Inc., Joseph Heacock Co., F. R. Pierson Co. and John R. Andre.

Other prizes in the regular schedule for fifty blooms were as follows: Hoosier Beauty, Jos. Heacock Co., second, A. N. Pierson. Hadley, Jos. Heacock Co., second A. S. Burns, Jr., Spring Valley, N. Y. Lady Alice Stanley, John Welsh Young, Philadelphia, second, A. N. Pierson. Radiance, Jos. Heacock Co., second, Gude Bros., Washington. My Maryland, John Welsh Young, second, James Verner. Sunburst, F. R. Pierson Co., second,

J. H. Dunlop. Mrs. Ward, Robert Simpson, second, Gude Bros. Any other red, F. R. Pierson Co., second, Gude Bros. Any other pink, Florex Gardens, second, F. H. Kramer. Any new rose not in commerce, Waban Rose Conservatories, Natick, Mass., with Mrs. Bayard Thayer. The list of awards in the classes for twenty-five blooms appears to have been left out of the copy in our hands so that we cannot at the present time make any report thereon.

The sweepstakes silver cup for the best vase of fifty roses in the hall was won by Joseph Heacock Company with their vase of Hadley. The sweepstakes prize for best vase of twenty-five roses was won by A. S. Burns, Jr., with his vase of Hadley.

Roses in pots and tubs for private growers: first prize for six ramblers won by John Wanamaker, gardener J. H. Dodd; all the other prizes in this section, seven in all, were won by John W. Pepper. On cut roses, first prize winners were Wm. Kleinheinz, John A. Brown, Devon, E. S. Welsh, Chestnut Hill, Hamilton Farms, Gladstone, N. J., gard. J. Walker. Each of these exhibitors were winners in several classes.

#### THE CARNATIONS.

Carnations were staged on Tuesday, the terraced platforms on the side of the music balcony and opposite the rose displays, being devoted to them. As with the roses, it was necessary to remove a large number of miscellaneous plant displays to make room for the carnations. The quality of the flowers shown was "top-notch" and the visitors swarmed about them in admiration.

The classes for vases of 100 blooms made the most effective display. In the white class, Cottage Gardens was 1st and A. A. Pembroke 2nd; flesh pink, A. A. Pembroke 1st, Wm. Woundler 2nd; light pink and dark pink, A. A. Pembroke 1st, Cottage Gardens Co. 2nd in both classes; red or scarlet, Cottage Gardens Co. 1st, Wm. A. Dawson 2nd; crimson, J. W. Minot 1st, A. N. Pierson 2nd; variegated, Halifax Gardens 1st, E. F. Lieker 2nd. In the classes for fifty of specified varieties the winners of 1st prizes were E. F. Lieker, Strout's, Halifax Garden Co., Cottage Gardens Co., S. J. Goddard, A. A. Harvey & Sons, A. A. Pembroke, each of these exhibitors winning in two or more classes. E. G. Hill Co. got the Kroeschell gold medal for the twelve largest blooms in the show. The silver Jubilee medal was awarded to Cottage Gardens Co. for Crystal White and bronze Jubilee medal to A. A. Pembroke for Pink Sensation. Preliminary certificate to Evenden Bros., Williamsport, Pa., for white seedling, 86 points. Honorable mention to J. D. Thompson Carnation Co., for Aviator and Superb, Baur & Steinkamp for cerise seedling, Bassett & Washburn for Belle Washburn, H. A. Richards, Greenfield, Mass., for rose pink seedling and Peter Fisher for Flake Beauty.

#### THE SWEET PEAS.

Sweet peas were staged on Wednesday. They made a sparkling effect such as no other flower in mass produces. In this section there were 1st, 2nd and 3rd prizes and most of the



Photo by Bill C. Fischer, Phila.

"A leedle bit o' Holland" might truly be termed the exhibit of Michell's Seed House.

classes were filled up. In the color classes for twenty-five sprays Wm. Sim won seven 1st prizes, and one 2nd; John M. Barker, Morristown, N. J., four 2nd and one 3rd; Allan Harvey, Brandywine Summit, Pa., one 2nd and four 3rd; R. M. Isenhardt, Torresdale, Pa., one 1st and two 2nd; Gude Bros., two 1st and two 3rd; Mrs. A. Gontram, one 2nd, one 3rd; John H. Donlop, one 3rd. The same exhibitors were represented in the classes for fifty sprays, Wm. Sim capturing nine 1sts, and R. M. Isenhardt three.

In class for vase of 100 one color arranged for effect, John M. Barker was 1st, John H. Dunlop 2nd; 100, two or more colors, arranged for effect, Mrs. A. Gontram, Holmesburg, Pa., 1st, A. C. Zvolanek, Bound Brook, N. J., 2nd. The Michell silver medal for 100 Sensation was won by Wm. Sim, also the same award for Rose Queen, the bronze medal going to R. M. Isenhardt. The Michell gold and silver medals for vase of flowers without foliage were won by R. M. Eisenhardt and Allan Harvey, respectively. The \$100 prize for 100 ft. display was won by Wm. Sim, with W. Atlee Burpee 2nd and J. H. Smith, Ridgefield, Conn. 3rd. J. H. Smith won 1st Zvolanek prize and Gude Bros. 2nd, for best and largest collection. Private gardener class, J. H. Smith 1st, Mrs. C. Bradley, Convent, N. J., 2nd. The table decoration prizes were won by London Flower Shop and Forrest Flower Shop, respectively; basket of sweet peas, Chas. Henry Fox and Ludwig P. Vollers; bride's bouquet, Forrest Flower Shop and L. P. Vollers; corsage bouquet, Forrest Flower Shop and Gude Bros.

#### NEW YORK DAY.

"New York Day" at the National Flower Show attracted 200 New York Florists' Club members and their friends to the special train that left the Penn. station at 10 o'clock on Tuesday morning. The committee, of

which A. L. Miller was chairman, was busy during the trip making everybody comfortable. Leaving New York under lowering skies we soon ran into the rain after a half hour's ride and arrived in Philadelphia at noon to find the rain falling hard. The delegation was met at the station by a committee of the Philadelphia Florists' Club, headed by J. Otto Thilow and escorted to the restaurant where the railroad company had laid covers for the crowd. After all were seated Mr. Thilow made a gracious speech of welcome and introduced the representative of the Mayor of Philadelphia, who very cordially welcomed the New York visitors. Mr. Holloran responded for New York.

After enjoying a very well prepared and satisfactory luncheon we made our way to the train for North Philadelphia. Drawn up on the station platform was a band of music behind which the visitors formed in procession and marched in the rain to the exhibition hall.

One very pleasant feature at the luncheon was the presentation to the Florists' Club of Philadelphia of a stand of colors—The American flag and one bearing an inscription from the New York Florists' Club. Most of the New York people returned to the city on the evening train.

The judges, Philip Breitmeyer, Alex. B. Scott and George C. Thomas, Jr., in reporting on their award of the Gold Medal for the Dreer Garden of Roses, prefaced it with the following preamble:

In awarding the Gold Medal for the Exhibition of Roses by Henry A. Dreer, Inc., the judges feel that a special word of commendation should accompany the award. Never before in the Flower Show of the United States has such a high level been achieved. The patience and interest required to accomplish this result is worthy of the highest appreciation.

The Exhibit as arranged deserves the approval of the most artistic and will surely be a factor in making Philadelphia famous.

## THE TRADE SECTION

The displays, which were of the most elaborate and luxurious character, were not only attractive to the young lady attendants and all alert to talk business and bring in new customers. As usual in these trade exhibitions many novelties and up-to-date inventions are here given their first public introduction and the tradespeople swarm around them from morning until night.

Space will only permit a bare list of these exhibits, but much might be said in cordial praise of the goods and the manner in which they were displayed in many of the booths.

R. A. L. & Co., New York.—Floral decorations, etc.  
W. K. Hays, Philadelphia.—Floral decorations, etc.  
J. & H. S. S., N. J.—Ornamental bulb garden.

H. M. Co., Philadelphia.—Ornamental bulb garden.

R. F. Co., Philadelphia.—Ornamental bulb garden.

Stratford Flower Farms, Stratford, Pa.—Plants, window boxes, etc.

A. C. Zvolanek, Bound Brook, N. J.—Sweet peas, plants and cut flowers.

W. Atlee Burpee & Co., Philadelphia.—Sweet peas and seedlings.

Joseph Heacock Co., Wyncote, Pa.—Plants.

F. R. Pierson Co., Tarrytown, N. Y.—Nephrolepis in variety.

Wm. Tricker, Arlington, N. J.—Aquatic flowers.

Philadelphia School Gardens, under the direction of the Board of Public Education, School of Horticulture, Ambler, Pa.

A. W. Smith Co., Pittsburgh.—Models of flower gardens.

Conard & Jones Co., West Grove, Pa.—Nursery stock and roses.

Floral Nurseries, Edgely, Pa.—Roses.

W. D. K. Co., Sassafras, Md.—Ornamental bulb garden.

Wm. Kleinheinz, Ogontz, Pa.—American plants.

Lord & Burnham Co., Philadelphia Office.—Section of greenhouse filled with plants.

Spencer Water Heater Co., Scranton, Pa.—Two sectional boilers.

Kroeschell Bros. Co., Chicago.—Hot water heater apparatus.

Hitchings & Co., Elizabeth, N. J.—Greenhouse section, with benches, photographs, etc.

Advance Co., Richmond, Ind.—Ventilating apparatus.

Metropolitan Material Co., Brooklyn.—Ventilating apparatus.

John A. Evans Co., Richmond, Ind.—Ventilating apparatus.

Supple Biddle Co.—Lawn mowers.

King Construction Co., North Tonawanda, N. Y.—Greenhouse and potting shed; house filled with Deer's roses.

S. P. Townsend & Co., Orange, N. J.—Lawn mowers.

Voltax Paint & Varnish Co., Pittsburgh, New York Belting & Packing Co., New York.

Rubber hose.

Benjamin Hammond, Beacon, N. Y.—Hammond's well known paints and insecticides.

S. S. Pennock-Meehan Co., Philadelphia.—Florists' ribbons.

H. Bayersdorfer & Co., Philadelphia.—Comprehensive exhibit of florists' baskets and other accessories.

Schloss Bros., New York.—Ribbons.

Plant tubs.

Florists' plants, etc.

Hosen Waterer, Philadelphia.—Bulbs and

Knight & Struck Co., New York.—Hard

wooded flowering plants.

Vaughan's Seed Store, Chicago and New

York.

Galloway Terra Cotta Co., Philadelphia.—

Flower pots.

W. J. Ross & Co., Philadelphia.—Florists'

O. F. Durn Co., Shadeline.

Skinner Irrigation Co., Troy, O.—Sprink-

lers.

Matthews Garden Craft.—Pergolas and

trellises.

Alphano Humus Co., New York.—Samples

of lawn grass fertilized with their ma-

terials.

W. H. Dugan, New Rochelle, N. Y.—

Greenhouse and porch shading.

C. S. Ford, Philadelphia.—Florists' sup-

plies.

Pfaltzgraff Pottery Co., York, Pa.—

Flower pots and vases.

H. V. Pearce, Detroit, Mich.—Return

steam traps.

Vim Motor Truck Co.—Autos.

Edwards Folding Box Co., Philadelphia.

Paper boxes.

Ideal Lighting Co.—Vacuum flower

presses.

American Seed Tape Co., New York.—

Seed tape.

A. A. Arnold, Chicago.—Paper boxes.

A. L. Randall Co., Chicago.—Baskets and

seeds.

Wertheimer Bros., New York.—Ribbons.

Thomas Meehan & Sons, Dreshertown,

Pa.—Japanese maples.

J. G. Harrison & Sons, Berlin, Md.—

Evergreens.

New York Stable Manure Co., Jersey City,

N. J.—Fertilizing specialties.

Charles F. Meyer, New York.—Bulbs.

Kirke Chemical Co., Brooklyn, N. Y.—

Fertilizer distributors.

Penceck Dahlia Farms, Berlin, N. J.—

Dahlia tubers.

George L. Stillman, Westerly, R. I.—

Dahlia tubers.

A. Cowee, Berlin, N. Y.—Gladiolus bulbs.

B. Hammond Tracy, Wenham, Mass.—

Gladiolus bulbs.

Cloche Company, New York.—Plant fore-

stry.

Davey Tree Expert Co., Kent, O.—Tree

surgery.

A. T. De La Mare Ptg. & Pub. Co., New

York.—Publications.

Doubleday, Page & Co., Garden City,

N. Y.—Publications.

National Floral Corporation, New York.—

Booth and demonstration.

Bon Arbor Chemical Co., Paterson, N. J.

Fertilizers.

Women's National Agricultural and Hor-

ticultural Association.

Florists' Telegraph Delivery, A. Pochelon,

Secretary, Detroit.—Booth with telegraphic

demonstration of flower distribution.

M. Rice Co., Philadelphia.—Florists' sup-

plies.

The following retail establishments had

beautiful booths flower decorated and il-

lustrative of the goods they deal in:

G. E. M. Stumm, New York.—Art vases,

flower baskets, etc.

John C. Gracey, Philadelphia.—Bamboo

enclosed booth with plant baskets, etc.

Battles Vase Shop, Philadelphia.—Fulper

pottery.

Chas. H. Grakelow, Philadelphia.—Floral

decorations.

Follers House of Flowers, Philadelphia.—

Rose bower.

H. S. Betz, Philadelphia.—Floral deco-

rations.

John Kuhn, Philadelphia.—Floral deco-

rations.

London Flower Shop, Philadelphia.—

Floral decorations.

J. J. Connelly, Bryn Mawr.—Floral deco-

rations.

J. Wolff Moore, Philadelphia.—Booth with

rect shaped table and mound of sweet

peas.

## MISCELLANEOUS FLOWER SHOW COMMENTS.

The market of plant shows for which there were no cutting rooms to have been unusually large and there were many more in which there was no competition, so that the amount to be paid out in cash and other trophies will be called down to a considerable extent as compared with the aggregate value represented in the schedule. It is just as well that it so happened as the addition of more entries would only have added to the task of finding room for all, which on the opening day seemed an almost hopeless one. The space left for visitors, as it was, was very inadequate for comfort or for a proper inspection of the exhibits. Had the plants been spaced so as to appear to best advantage there really would not have been a foot of room left for passage-way. It was the opinion of many visitors that the material contributed might have been made to fill two such buildings as Convention Hall. Yet, doubts were at one time expressed as to whether it would be possible to get sufficient together to properly fill the vast structure, which occupies an entire city square. It was a huge affair indeed.

The lectures have been well attended and have proved an excellent educational feature in connection with the exhibition. On the opening evening W. N. Rudd, of Chicago, talked entertainingly on Home Grounds. Monday afternoon Richard Rothe, of Glenside, Pa., gave a talk on his pet subject—Rock Gardens, and on Monday evening Prof. E. A. White of Ithaca, gave a lecture on Orchids. On Tuesday afternoon Max Schling of New York, on Flower Arrangement and Color Combination, and in the evening Robert Pyle, of West Grove, Pa., on Roses, had large audiences. Wednesday's lecturers were Miss Caro Miller on School Gardens and Frank N. Meyer of the Agricultural Department at Washington, on Exploration in China. Other interesting lectures are scheduled for the remaining days. All the foregoing were illustrated with stereopticon slides except Mr. Schling's talk. Mr. Schling was his own illustrator and demonstrator in his inimitable manner.

The Florists' Telegraph Delivery put through a big stunt in its plan for telegraphing flowers to the mayors of all cities in which it has members. Telegrams of appreciation and praise came in fast. Another act which brought big publicity in the daily papers all over the country, was the sending of a big bunch of Radiance roses to the recently born granddaughter of President Wilson.

On Saturday evening March 25, a dinner was given to the Board of Jurors and other invited guests in the basement of the Widener Building. Chas. H. Totty, presided. On Wednesday night, March 29, a banquet was given to the visitors, in Horticultural Hall. It was a large, representative and merry assemblage.

Two rose novelties not mentioned in the prize lists were Rosalie, of the midget type, color similar to Mock,

shown by Heller Bros. and a cherry red seedling shown by Robert Scott & Son, a shapely, medium sized flower.

The Darwin and May-flowering tulips were quite well represented in the various flowering plant groups and their stately beauty added very much to the general effect of form and color.

James Farquhar, who is an invalid, and has spent the winter in the south, was an interested visitor for a few hours on Saturday, on his way home from Charleston, S. C., to Boston.

The aquarium exhibit, for which we have only room for a line or two was a potent attraction. It was said by experts that its equal had never been shown anywhere.

Mr. Cowperthwaite's Information Bureau just inside the hall was a well planned and efficiently carried out convenience for the exhibitors and other visitors.

The Tea Room in charge of ladies of the Civic Club and others was a social centre of no small distinction. Sweets were devoured in large quantity.

One of the most impressive and pathetic scenes in connection with the show was the visit of little crippled children from the hospitals.

#### CHRYSANTHEMUM SOCIETY OF AMERICA.

Totals of the examining committee's work for the season of 1915:

Early Rose, shown at Cincinnati 87 points; Tiger, Cincinnati, 89; October Queen, Cincinnati, 92; Josephine Foley, Boston, 93; New York, 87; Philadelphia, 90; Chicago, 89; Cincinnati, 90; Cleveland, 87; Ogontz, Cleveland, 87; Philadelphia, 90; Nordi, Cleveland, 83; Little Gem, Cleveland, 91; Alice Day, New York, 87; Philadelphia, 89; Mrs. C. C. Mickle, New York, 90; Mrs. J. A. Stewart, Jr., New York, 86; October King, New York, 88; Mrs. J. Gibson, New York, 89; Wm. Rigby, New York, 90; Autocrat, Cleveland, 89; Barbara Davis, Cleveland, 87; No. 69, Cleveland, 87; No. 45, Cincinnati, 86; Mrs. E. M. Benson, Philadelphia, 90; No. 6, Philadelphia, 81; Mrs. Benton Jacobs, Philadelphia, 85; White Doty, New York, 95; Francis Alger, Cleveland, 89; Delphine Dodge, Cleveland, 85; No. 65, Cleveland, 83; No. 7, Cleveland, 81; No. 2, Cleveland, 83; Dixie Star, Cleveland, 70; No. 234D, Cleveland, 79; No. 60, New York, 84; Aurora, New York, 94; Chloris, New York, 87; Athena, New York, 86; Aphrodite, New York, 89; No. 7, New York, 78; Helios, New York, 88; Ares, New York, 92; Artemis, New York, 86.

CHARLES W. JOHNSON, Sec'y.

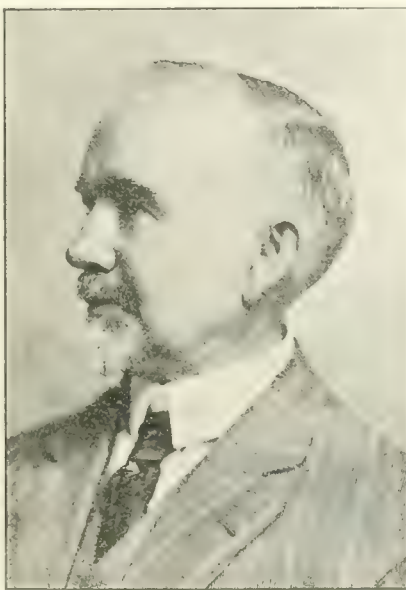
#### EASTER NUMBER

The Annual Easter Number of Horticulture will be issued under date of April 15. Advertising Copy should be sent not later than April 10. Better send it

**NOW!**

## NEW YORK SPRING SHOW

This event, known locally as the "International," has now come to be an established annual affair. The National Flower Show at Philadelphia has, naturally, overshadowed everything else in the show line up to the present time. Now we look forward to the opening next week, on Wednesday, April 5, of this second big flower show for the year 1916 and it is very gratifying to be able to announce that, from all indications, this will be in all its features as great a triumph as any of its predecessors, horticulturally, artistically and financially. The exhibition will be held, as heretofore, at the Grand Central Palace, under the joint auspices of the Horticultural Society



FRANK R. PIERSON  
Chairman New York Flower Show Committee.

of New York and the New York Florists' Club and will have the support of the leading people in the social and philanthropic activities of the city. The schedule lists 410 regular classes. On Wednesday will be staged the flowering and foliage plants, roses in pots and tubs, bulbous plants, orchids, etc., etc. On Thursday, cut roses. On Friday, carnations. On Saturday, sweet peas, table decorations, etc. On Monday, violets and table decorations. On Tuesday table decorations. The prizes offered are generous and many of them are "specials" contributed by wealthy patrons of horticulture. Copies of the list may be had on application to Secretary John Young.

A very large amount of exhibition space has been contracted for by trade growers, manufacturers and dealers, who recognize the superlative value of such an opportunity to reach out for the trade of the world's metropolis.

Among the many attractions planned as accessory to the exhibition is a se-

ries of lectures on horticultural subjects at 11 A. M. each day in the Tea Garden. On the list of lecturers are E. H. Wilson, of the Arnold Arboretum, Boston, Geo. V. Nash, A. Herrington, Royal Dixon and other gentlemen well known among the horticultural fraternity.

"Brooklyn Day," as before, will be one of the prominent features. Friday, April 7, has been chosen by the Brooklynites for their big demonstration. Large preparations are being made, with A. L. Miller as the main feed wire and all who know the hearty enthusiasm which that gentleman puts into whatever he undertakes will realize that under his infectious leadership Brooklyn Day at the Show will be "some" day.

Entries for the New York Flower Show are coming in very nicely, and there is little doubt but that it will eclipse its predecessors in every way. The space available for trade exhibits has been freely reserved, and late comers will be lucky if they are able to find quarters.

#### Additions to Final Schedule.

Special Class. Commercial Growers—Best group of Dwarf Evergreens, 50 plants, 50 varieties. To be staged Wednesday, April 5th. Prize: The George A. Zabriskie Special Premium. Silver Cup, value \$50.

Special Class. Open to All.—The most beautiful window box, of wood, 42x11x9 inches, filled with flowering plants that will last through the summer months outdoors. To be staged Wednesday, April 5th. Prize \$25. Offered by Miss Georgie Wayne Day.

JOHN YOUNG, Sec'y.

53 West 28th St., New York.

#### NASSAU COUNTY HORTICULTURAL SOCIETY.

At the meeting in Glen Cove on March 8, notwithstanding the very inclement weather and reduced attendance, a goodly array of flowers and plants adorned the exhibition table. The judges awarded 1st for antirrhinum and cyclamen to Robert Jones; carnations, James McDonald, and 2nd James McCarthy; certificate of culture for violets and high commendation for gardenias to Robert Jones. By request Mr. Jones gave an account of his method of growing violets which was followed by an interesting discussion. James Holloway favored us with an essay on "Outdoor Fruit" which proved to be of more than ordinary interest.

An essay on "The Use of Native Plants for Ornamental Planting," by L. P. Jensen of Missouri, was listened to with great interest. Arthur Herrington was a welcome visitor and spoke on the coming International Flower Show in New York.

Beginning next month, April, our meetings will be held in the evening at 7 P. M. instead of in the afternoon.

JAMES MCCARTHY, Cor. Sec.

The next and last stop was at the Weaver establishments at Ronks. Two brothers, Charles and Elmer, are running two separate bank and expense accounts, but with greenhouses so intermingled that one never knows on whose ground he is treading. Chas. M. Weaver is the sweet pea grower and has them in three hundred-foot houses, about fifty feet wide, and apparently miles high. In addition to the standard sorts he has some of his own production and unless Zvolanek, Burpee and the other California growers have some surprises in store for us they have nothing on Charles Weaver, for he is growing by the thousand a beautiful blue and two pinks that are head and shoulders over all others of the same color. Elmer Weaver is the carnation end of the place and has added ten-week stocks with wonderful success. He is going into the perennial plant business in an experimental way. Asters are a feature here and there are now somewhere close to a million plants started in paper pots, and when these are in their prime a summer trip will be arranged to look them over. Mrs. A. M. Herr kindly acted as hostess to our distinguished visitor, Richard Vincent,

# TAKE ADVANTAGE OF THE Largest Auction Sales in the History of America Of Rhododendrons, Rose Bushes, Evergreens, Boxwoods, etc.

Sales start at 11 o'clock A.M. each **TUESDAY** and **FRIDAY**

## THE MacNIFF HORTICULTURAL COMPANY

**52, 54 and 56 Vesey Street, NEW YORK**

Jr., until we came back to Lancaster, when a little party of nine took dinner with him and immediately thereafter adjourned to the club rooms for the evening meeting.

The business end of the meeting was hastened through and at the instigation of the writer the club voted a donation of \$50.00 toward purchasing a site for an Armory building, which could be used for flower shows, etc. Richard Vincent, Jr., of White Marsh, Md., was the speaker for the evening, his subject being "The Bulb Fields of Holland." The ladies had been invited and quite a goodly number were present.

Mr. Vincent showed a wonderful collection of slides. They showed what the Hollander does with his hard-fought for ground and how he uses every inch of available space. His pictures of the Harlem exhibition gave us an idea of how to make attractive the bare spots under trees with beds of bulbs and the indoor or tent exhibit gave us some pointers that will be used in the next Lancaster Flower Show this fall. Mr. Vincent's remarks connected with his slides of the Convent Garden Market so thoroughly coincide with what I have been preaching for some years myself that they are given as nearly as I can remember them here. "This is a wonderful market where plants and flowers of all kinds are sold in quantities unbelievable by us Americans. The Englishman with a much better climate for the growing of flowers in window boxes and for his home ornamentation, does not plant a window box in the spring and expect it to be a floral picture all summer with its limited area of space and soil, but when a plant begins to lose its beauty he goes to market and buys another to replace it. This is a thing we should educate our American people to do and the result would be not only the sale of more plants but their greater use, as the buyers would in this way get more satisfaction and we should get increased sales."

A unanimous vote of thanks was extended to Mr. Vincent. The next meeting night of the club will be Ladies' Night, at the Brenneman Building and the date April 27th.

ALBERT M. HERR.

### CONNECTICUT HORTICULTURAL SOCIETY.

At the regular meeting of the Connecticut Horticultural Society on Friday evening, March 10, J. F. Huss made a splendid display of cinerarias. Alfred Cebelius, showed Cineraria stellata. Mr. Huss was awarded a first-class certificate, and Mr. Cebelius a certificate of merit. Mr. Huss dilated on the merits of the Cineraria and

how readily they grow from seed to maturity and bloom. A most interesting talk was given by E. A. Brasill of his trip to Cuba, New Orleans, Chicago, Cleveland, and Niagara Falls.

Friday evening, March 24, had been advertised as "Grafting and Pruning Night," but the absence of our leader made it necessary to postpone same until the next meeting, April 14th. There was some discussion on pruning grape vines, noted gardeners stating that it made no difference whether they were pruned after March 1st or before; while others were very positive that they should not be pruned after March 1st on account of the bleeding of the vines. Fred Boss, head gardener at Elizabeth Park, got a certificate of merit for calceolarias and Warren S. Mason, Farmington, a cultural certificate for Eupatorium lanthium.

ALFRED DIXON, Sec'y.

### CLUB AND SOCIETY NOTES.

The annual meeting of the Medford, Mass., Horticultural Society, was held in the Medford Woman's Club House on the evening of March 20. Very encouraging reports were read by the secretary and treasurer. The President, Mrs. Lester B. Williams, gave a short and inspiring address. The following officers were elected for the

coming year: President, Mrs. Lester B. Williams; vice-president, Hon. Wilton B. Fay; secretary, Mrs. Ruth Wales Randall; treasurer, Miss Laura P. Patten, and a board of directors representing all sections of the city. Maurice Fuld gave a talk on Perennials. A reception was held at the close and refreshments were served.

GEORGE F. STEWART.

The Worcester County (Mass.) Horticultural Society held a spring flower show in Horticultural Hall, Worcester, on March 9 and 10. Prize awards were as follows:

Cut flowers, H. F. A. Lange and Charles Potter; carnations, Alfred H. Knight, William M. Estabrook and Paul Brigham; orchids, Mrs. John C. Whittin; Azalea indica, H. F. A. Lange and Miss Lucy M. Coulson; cineraria, H. F. A. Lange; A. W. Hixon and Worcester Conservatories; cyclamen, H. F. A. Lange and A. W. Hixon; hyacinths, Miss Lucy Coulson and A. W. Hixon; Primula sinensis and varieties, A. W. Hixon, H. F. A. Lange and Worcester Conservatories; basket, H. F. A. Lange, Mrs. L. C. Midgley and Mrs. W. E. Sargent; narcissus, H. F. A. Lange; violets, David C. Murdock, Charles Potter and Mrs. W. E. Sargent; flower garden, H. F. A. Lange, F. W. Breed, A. W. Hixon and Charles Potter; cinerarias, Charles Potter; pansies, L. C. Midgley and W. D. Ross; snapdragon, W. D. Ross; roses, Harry Randall; bay trees, H. F. A. Lange; boxwood, E. W. Breed; roses, H. F. A. Lange; seedling carnations, Sydney Winter and Howard Newton.

## HEATHER

Our stock of ericas is exceptionally fine. I offer the following ericas for growing on for next Christmas blooming. Delivery now. They should be potted into 5 or 5½-in. pots on receiving them, placed in a cool house and plunged outside by May 1st to May 20th.

Blooms	Per 100
Xmas Erica Melanthera, white bell brown eye, 3 and 3½ in. pots.....	\$15.00
Xmas Erica Regerminans, light lavender bell, 3 and 3½ in. pots.....	15.00
October Erica Gracilis Vernalis, dark pink bell, 3 and 3½ in. pots.....	15.00
February Erica Cotonoides Veitchii, white, 3½ in. pots.....	12.00
March Erica Persolota Rosen, pink bell, 3 and 3½ in. pots.....	15.00
Xmas Erica President Carnot, pink trumpet, 3 and 3½ in. pots.....	20.00
Xmas Erica President Felix Faure, pink trumpet, 3 and 3½ in. pots.....	20.00

Ardisia Crenulata Our stock is exceptionally fine, having from 8 to 14 branches which will produce a bunch of fine red berries on each branch. Ready for 5 to 6 in. pots. Get them now.

In 4 and 4½ in. pots, 8 to 10 branches.....	\$50.00 per 100
In 5 and 5½ in. pots, 10 to 14 branches.....	75.00 per 100
German (bridal) Myrtle, 3 in. pots.....	\$20.00 per 100
Phoenix Rachelini ready for 4½ in. pot from 3 in. pot.....	20.00 per 100

Charges for packing at cost. All plants shipped out of pots.  
Chorizanum Cordata—Sweet pea shaped flower, color of wall flower, 4 and 4½ in. pots, \$25.00 to \$30.00 per 100.

Write for Our List of

## FLOWERING PLANTS FOR EASTER

# Anton Schultheis

COLLEGE POINT, N. Y.

## AMERICAN ROSE SOCIETY

The annual meeting of the American Rose Society was held in a side room of the Convention Hall, Philadelphia, on Saturday evening, March 11. President S. S. Pennock opened the session with an address full of optimism and inspiration which was attentively listened to and cordially received by a good sized audience. Reports of secretary, treasurer and committees followed. The report and recommendations of the special committee on system and standard measurements for the classification of cut roses, which was presented by Harry O. May for the committee was assailed by several members and a spirited discussion was precipitated, with the result that the report was finally referred back to the committee. George C. Thomas made an exhaustive report on the scales of points for use in judging outdoor roses. He admitted that the scales as suggested are somewhat experimental and that after being tried out in practice modifications would doubtless be found desirable and it was decided to adopt them for the present as read.

The old officers were unanimously re-elected to serve for the coming year, viz.: S. S. Pennock, president; L. J. Reuter, vice-president; Harry O. May, treasurer; Benj. Hammond, secretary. Admiral Aaron Ward was elected to fill the unexpired year of Eber Holmes' term and E. Allan Peirce succeeds John A. Dunlop for a three-year term. Robert Pyle was re-elected for three years. Admiral Ward made a most delightful speech in acknowledgement of his election, extolling the dignity and honor of working in the garden with one's own hands. J. Horace McFarland was elected an honorary member. A proposition to make the retiring president an ex-officio member of the executive committee for one year was favorably acted upon. The award of a gold medal to H. A. Dreer for the beautiful garden of roses in the Flower Show as recommended by the judges was duly sanctioned. Selection of the place for the next annual meeting was left to the executive committee.

### Secretary's Report.

This is the 17th annual meeting of the American Rose Society. It is twelve years ago since this society held its last annual meeting in the city of Philadelphia, and in the years which have elapsed since then the development of the American Rose Society as evinced at this time by the exhibition in this Convention Hall is wonderful. Since our last visit to this city the society has been in Boston four times, to Washington, Chicago, Buffalo and Detroit once; New York City three times.

Our membership varies from year to year. The past year, 1915, we had the pleasure to receive another life member, R. Witterstaetter. The life membership helps us in building up our permanent fund which now reaches the sum of three thousand two hundred dollars (\$3,200.00). Our annual meeting is held in a room at the

Hotel at this date, under 100 of whom 40 are honorary members.

The Test Rose Garden, which began in Hartford, Conn., and now embrace a garden at Washington, D. C., at Ithaca, N. Y., and at Minneapolis, Minn., which are watched over with special committees appointed by the American Rose Society and which certainly have awakened much practical interest, the bushes to be tested being furnished gratis by rose growers. Two lots were sent from Europe, one from Kallen & Lunnemann, of Boskoop, Holland, embracing 29 varieties, 168 plants. These all went to Ithaca. Messrs. Hugh Dickson, Ltd., Belfast, Ireland, sent ten each of four varieties. These are for competition in the test gardens and were divided, half going to Hartford, and half to the Washington gardens. The detail of the results in these rose gardens is presented in the "Rose Annual" together with the awards made. Municipal rose gardens are being pushed in England as things of popular beauty. Under date of January 23, 1916, a letter from Waratah, England, came to the secretary saying: "You people are far more progressive in America as regards municipal rose gardens than we are over here, and should be gratified if you could send me details of any public rose gardens established in America." This writer is an amateur and holds the championship both for exhibition roses and decorative of all England. Our amateur societies are looking to the American Rose Society for information and recognition. The affiliation membership rate was first placed at ten cents each, but this sum was not sufficient and has by the executive committee been changed to 25c. for each member.

There is in supporting members of the Rose Society a lack from the men growing outside roses; at every show we hold there is more or less expense and the support of the society has hitherto been mainly from the cut flower producers.

The broadening of the membership of this society involves a great deal of detail work, and one piece of work that has at last come to pass is the printing in first class style of the annual report of organization work of the society in book form, with various essays complimentary thereto. This work of publication involves a greater amount of outgo than hitherto the revenue of this society warranted, but J. Horace McFarland assumed the work and risk of cost attending the same, and for this service we are certainly indebted to him. The proportion directly paid for this work by the society was \$200.00 and customary postage; beyond this the cost has been assumed by the publishers.

For this spring's exhibition the number and value of special prizes contributed by individuals has not before been equalled. All this is clear evidence that our society is full of vigor and the gathering together of citizens of our common country in associated work which tends to bring

beauty to the homes of all the people is to be highly commended.

"A Rose for Every Home, a Bush for Every Garden" is emblematic of Peace and Beauty from Ocean to Ocean.

BENJAMIN HAMMOND, Sec.

Report of Harry O. May, Treasurer.  
Summit, N. J.

March 22, 1916.

Receipts, \$2,201.20	
Debit to cash	\$1,453.28
Cash in bank.....	1,047.92
	\$2,501.20

Investment Account.

Westchester & Bronx Title & Mortgage Guaranty Company	
Three mortgage certificates	\$3,000.00
Summit Trust Company	
Permanent Fund.....	200.00
Hubbard Medal Fund...	250.00

### HORTICULTURAL LITERATURE.

Leonard Barron, of New York, addressed the Massachusetts Horticultural Society at Horticultural Hall, Boston, on Saturday, February 26, on the subject of horticultural literature, past, present and future. The address was a splendid effort, evidently prepared with much thought and a finished literary production in itself. We have space only for a short abstract.

Of the future for garden writings, the lecturer said:

"It may indeed be said that a knowledge of gardening is a necessary part of a liberal education across the sea, whereas with us an intelligent acquaintance with gardens is indeed quite exceptional. How many American ladies will naturally invite you to stroll around their gardens to see the latest novelty in herbaceous plants, or the newest shrub from China? How many American men will invite you to stroll into the conservatory or greenhouse after dinner? Until these things or something like them happen garden writings of the expository kind cannot be successfully produced among us because the publishers cannot afford to produce them for an unresponsive public."

He said that garden writing in America may be claimed as a feature of the last 25 years. Many of the earlier productions were printed from sheets or plates imported from Europe, he explained, leading to much confusion.

"This city of Boston," he declared, "is inseparably associated with the beginning of gardening here in America, of which fact the organization under whose auspices we are now gathered is in itself sufficient proof; and today this section of the country still stands as perhaps the most advanced center of garden interest in the United States."

"The period of textbook writings has, I feel, reached its zenith, but other books of a more imaginative type have reborn the interest in garden work, and are making it something far ahead of what it was 50 or even 20 years ago. The appearance of this particular kind of writing has been marked by the development of a new type of garden writer—the skilled observer—the professional teacher or experimentalist.

"While we need the teacher and



A FIELD OF PACHYSANDRA TERMINALIS AT OLD TOWN NURSERIES.

## Evergreens, Shrubs and Perennial Plants

Headquarters for

**PACHYSANDRA  
TERMINALIS**

**OLD TOWN NURSERIES**

**SOUTH NATICK, MASS.**

welcome him, do we not also need the matured conclusions of the worker whose experiences are an end to themselves? It was largely by his contributions that the garden craft of the past was enriched; it is his writings we need now, and which future students will need in order to understand and measure up the conditions of today, just as we ourselves try to reconstruct the past by studying the writings of the old-timers."

The lecturer said of writings of record, description and imagination they are "the book of the future; yet that it will come is certain." He looks here to the highest type of work both as regards subject matter and method of presentation; literary quality, not mere manufacturing perfection. Of this class he said:

"Books of record carefully written in the light of all contemporary available knowledge, yet inspirational and practical, are the ideals that we set before us.

"Just as real, permanent progress in our widespread American horticulture (of the garden) must rest on the development of the amateur as distinguished from the mere trader, so too, must we look to a literature of enthusiasm based on the amateur's keen interest in others of the same class to develop and at the same time to reflect the present day condition. Authoritative gardening writings come to us from England today even as in the earlier times. But as yet we send very few thither.

"A canvass of the publications of the last 10 years reveals that out of about 200 different titles issued and classified in the publishers' trade lists, within the class and group headings of gardening and horticulture, 47, or about 25 per cent, are devoted to fruit growing, which evidently still claims a large share of attention; but various phases of pleasure gardening, apart from landscape work, claim a slightly greater proportion, being represented by 50 titles. Others are: Landscape 11, vegetables and truck gardening 31, literary 13, children's garden work 9.

"A comparison of the contents of the earlier and present day periodicals is illuminating, though it practically parallels what has already been discovered in regard to garden books. I

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Largest assortment in New England. Evergreens, deciduous trees, both common and rarer varieties.

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This New England climate produces fine sturdy shrubs. Special trade prices. By the thousands, hardy Native and Hybrid Rhododendrons—transplanted and acclimated. Let us estimate.

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**VALLEY PIPS**, best Berlin and Hamburg grades.  
**AZALEAS, PALMS, BAYS, ETC.**, from Belgium.  
**BOXWOODS, ROSES, ETC.**, from Boskoop, Holland.  
**MAPLES, PLANES, ETC.**, from Oudenbosch, Holland.  
**BEGONIA AND GLOXINIA BULBS**, December shipment.  
**English Manetti, Japanese Lilies, Raffia, French Fruit Stocks, Kentia Seeds, Etc.**

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have heard it held as an indictment against the contents of the periodicals today that the garden writings now being offered in their columns are, on the one hand, too amateurish, catering too much to the ununiform; and at other times that they are too technical and erudite, catering too much to the technician."

Mr. Barron held that this depends on the individual's point of view, and asserted that the periodical is at once teacher, educator, reporter and idealist, and that it is the public in large measure that edits the periodicals. He urged that writers come forward and avail themselves of the offers of the editors for the expression of all phases of thought and differing viewpoints of all interests.

Mr. Barron is a graduate of Chiswick, Eng. He was assistant editor of

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the Gardener's Chronicle, London, from 1885 to 1893, and since 1911 has been editor of the Garden Magazine, and horticultural editor of Country Life in America.

# REMEMBER

## IF IT'S A HARDY PERENNIAL

or so called Old-fashioned Flower worth growing, we have it in one shape and another

the year round in quantity. We have the largest stock in this country, all Made in America, and our prices will average 75c per Dozen, \$5.50 per 100

Why say more here? Send for our Wholesale Price List of varieties and benefit from the opportunities this affords you. We have a surplus of the following desirable Hardy plants and offer them until sold as follows:

### BARGAINS IN DESIRABLE HARDY PERENNIALS

**ASTERS HARDY**, over 50 varieties. Ask for descriptive catalogue, which includes the latest European introductions.

**BUDDLEIA VEITCHIANA & MAGNIFICA**. Pot or field plants. Ask for special offer.

**FUNKIA SUBCORDATA GRANDIFLORA**, the large sweet smelling white day lily. Strong flowering roots. \$6.50 per 100.

**IRIS GERMANICA** in following named sorts: Pallida, Melane Cherson, Mrs. Darwin, Garrick, Fantasy, Larry Queen, William III pink, Siberica Blue, Siberica Alba, Siberica Snow Queen. \$3.00 per 100, \$25.00 per 1000.

**POPPY ORIENTAL**. Choice named sorts from cuttings ready in April, 3 inch pots. Price \$6.50 per 100.

**ANEMONE JAPONICA**. Choice named sorts, 3 inch pots, \$6.50 per 100. 2 inch pots planting out stock ready April \$3.00 per 100.

**CHRYSANTHEMUMS**. Hardy Pompons, Double and Single varieties now ready, 2 1/2 inch pots, \$3.00 per 100.

**HEMEROCALLIS**. Apricot, Flava, Gold Dust, Kwanso double and single, Middendorff, Orangeman and Thunbergi, strong clumps \$2.00 per 100, \$25.00 per 1000.

**HELIANTHUS**. Hardy Perennial Sunflower. Moths Grandifloras, Miss McFish, Maximilianthus and others. Field roots \$7.00 per 100, \$15.00 per 1000.

**HEUCHERA**. Sangamon Rosea, Brizoides, gracillima and Caprice. Strong field plants. \$6.50 per 100, \$50.00 per 1000.

**VERONICA**. Longifolia Subsessilis plants from the field. \$6.50 per 100, \$50.00 per 1000.

**VIOLA G. WERMIG**. The Summer flowering Hardy Violet. 2 1/2 inch pots 75c. per doz., \$7.00 per 100.

**ORNAMENTAL GRASSES**. Arundo Donax Variegata. Strong roots with several eyes, \$7.50 per 100, \$1.00 per doz. Variegated Ribbon Grass, strong clumps \$3.50 per 100, 50c. per doz.

**SPIREA VAN HOUTTEI**. Very strong bushy transplanted. Surplus Stock:  
2 1/2 \$6.00 per 100, \$55.00 per 1000.  
3 1/2 \$7.50 per 100, \$70.00 per 1000.

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### Obituary

William Bayersdorfer.

Wm. Bayersdorfer, father of Harry Bayersdorfer, of Philadelphia, a retired merchant, died on March 26, aged 80 years.

Frank Buffinton.

Frank Buffinton, pioneer florist of Fall River, Mass., died suddenly at his home in that city on Saturday evening, March 18. He was stricken ill, presumably with an internal hemorrhage, while in his greenhouse about 9 o'clock Saturday evening, and though he succeeded in reaching his house death followed about 15 minutes later. Physicians were summoned, but Mr. Buffinton was beyond all aid when one arrived.

Mr. Buffinton's death, following so closely upon the sudden death of his brother, Waldo A. Buffinton, comes as a particularly sad blow to the surviving members of the family and they have the sincerest sympathy in their deep sorrow of a wide circle of friends. The brother, Waldo, was found dead in his bed the previous Tuesday morning from heart failure.

Frank Buffinton was a member of one of the oldest families of the city, and was born July 8, 1846. As a young man he taught school, but he early took up the study of floriculture and eventually made it his life business. Few men were better known in the community or more implicitly trusted or more highly respected. He was a man of unbending integrity, of large intelligence, of wide sympathy with that which was good. His love for

flowers was the passion of his life. The surviving relatives are a sister,



FRANK BUFFINTON

Miss Mary E. Buffinton, and a nephew and niece, William H. Buffinton and Mrs. Annie E. Ferguson.

### ST. LOUIS RETAIL FLORISTS.

On Monday night, March 20, the St. Louis Retail Florists' Association held their annual banquet at the Mission Inn Garden. A splendid menu was served, with a cabaret and music, and the affair was much enjoyed by all. President Chas. Young was toastmaster and called on everyone for a short talk.

### During Recess

Boston Florists' Bowling League.

The Boston Florists' Bowling League wound up the season with a riot of mirth at their first banquet at the Hotel Georgian on Thursday evening, March 23. The festivities began at 8.00 P. M. with Toastmaster Julius Zinn at the helm. A short business session followed, in which Seymour Grosse was re-elected president. John Dow was elected vice-president, defeating Maurice Hambro. J. Sloane was re-elected treasurer and secretary.

Feasting and speaking followed. W. H. Elliott, J. J. Cassidy and Seymour Grosse made interesting speeches, especially Mr. Cassidy, who talked on the American Flag and our duty toward it. Prizes were awarded by Mr. Elliott, who threw in a little oration on the rapid strides made by bowlers all over the country. Bresnahan of The Boston Cut Flower Shop received a medal and cup as best string man, with Montgomery second. Individual prizes were given to nearly everyone for one reason or another.

The keynote of the affair was struck by Toastmaster Zinn in his opening address when he declared that harmony in the florist ranks had made its beginning and was coming fast. Mr. Elliott reiterated the same sentiment.

Local talent was much in evidence. Singing by John Lynch and readings by Mr. Mahoney were enjoyed by all and at 12 P. M. the affair drew to a close, thus terminating a highly successful season.

A Great Bowling Event.

Washington florists are deeply in-

terested in the coming bowling tournament of the Atlantic Coast Bowling Association, to be held in the National Capital, starting April 3rd. Florist night during the tournament will be one grand occasion. William F. Gude of Washington is President of the Atlantic Coast Bowling Association and it is his intention to interest the florist bowlers visiting the National Flower Show at Philadelphia in Washington's big bowling tournament. Traditionally a sociable clan, a pilgrimage of the florists to the National Capital, as participants in this tournament will be a gala occasion. The mammoth building in which the tournament is to be held was the home of the Grand Army encampment, and is commodious enough to hold the equivalent of four army corps. Room for every conceivable need of the bowlers and their friends is thereby provided.

Entries in the bowling tournament close March 25, and the florists should get busy at once. As the Philadelphia convention closes April 2, and the tournament starts April 3, florists day at the National Capital could be worked in as a side trip of the convention, and allow the florists to get back to their business in ample time to care for the Easter rush.

Further information concerning the A. C. B. A. tournament can be obtained from Secretary Tom Grant of the Chamber of Commerce, 1202 F street, northwest, Washington, D. C.

#### New York Florists' Bowling Club.

Scores made Thursday, March 23.

J. Fenrich	149	157	163
C. W. Scott	162	180	162
W. P. Ford	150	148	157
P. Jacobson	143	146	153
G. T. Schuneman	102	131	98
J. Donaldson	169	161	164
J. Miesem	187	183	187
H. C. Riedel	149	157	171
A. Kakuda	146	164	151

H. C. RIEDEL, Sec'y.

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### Asparagus Plumosus Nanus Seed

NORTHERN GREENHOUSE GROWN

1,000 Seed	\$3.50
5,000 Seed	15.50
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Special Prices on Larger Quantities.

### Asparagus Hatcheri Seed

100 Seed	\$ .75
500 Seed	3.00
1,000 Seed	5.00

### Asparagus Sprengeri Seed

1,000 Seed	\$ .75
5,000 Seed	3.00
10,000 Seed	5.50
25,000 Seed	12.50

Also all other Seasonable Seeds, Bulbs and Supplies for the Florist.

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FLOWER BULBS  
GARDEN, LAWN AND FARM REQUISITES  
IMPLEMENTS      TOOLS      FERTILIZERS  
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### SEED TRADE

#### AMERICAN SEED TRADE ASSOCIATION

Officers—President, J. M. Lupton, Mattituck, L. I., N. Y.; First Vice-President, L. L. N. Y.; First Vice-President, Kirby B. White, Detroit, Mich.; Second Vice-President, L. W. Bolgiano, Washington, D. C.; Secretary-Treasurer, C. L. Kendel, Cleveland, O.; Assistant Secretary, S. J. Willard, Jr., Cleveland, O.; Chicago, Ill., June 20-22, next meeting place.

#### New Seed Laws.

#### HORTICULTURE

Gentlemen—New seed laws have been passed in Kentucky and New Jersey within the last few days. The New Jersey seed law is quite unsatisfactory to the seed trade. It requires labeling of agricultural seeds, mixtures of such seeds, and vegetable seeds. The label on the first two classes of seeds mentioned,—briefly stated—calls for the name of the seed and if a special variety or strain of such seed is used, it must be the true name,—percentage by weight of purity or freedom of such seeds from foreign matter, or from other seeds distinguishable by their appearance,—a percentage of germination—the number per pound of the seeds of noxious weeds, if present, in excess of one seed in each five grams of the agricultural seed,—the name of the seller. The vegetable seed must have a label stating the name thereof, and the percentage of germination—the percentage of inert matter if in excess of 5 per cent. of the total weight of such seeds—the name of the seller.

The administration of this law is turned over to the Board of Managers of the New Jersey Agricultural Experiment Station and its appointee, the seed analyst, who are not public officials, and are not responsible to state control. The seedsmen have also felt aggrieved by the unhappy methods of the proponents of the bill in driving it through the legislature.

The Kentucky bill is rather a close copy of the views of the Association of Official Seed Analysts in respect to uniform state seed bills. The bill affects agricultural seeds, and requires a label stating the name of the seeds, name and address of the seller,—the approximate percentage by weight of purity, meaning freedom from foreign matter or from other seeds,—the approximate percentage by weight of the different species of foreign seeds when

sold as mixtures, and so labeled. The bill affects agricultural seeds. The approximate percentage of germination as shown by laboratory tests. No agricultural seeds containing more than one of certain named noxious weed seeds to 2,000 agricultural seeds shall be sold.

Garden and flower seeds in sealed packets must be labeled with the approximate percentage of germination and with the year in which the packet was filled.

Yours truly,  
CURTIS NYE SMITH.

#### One Week's Imports.

Imports at the Port of New York, of horticultural material for the week ending March 17th, were recorded as follows:

Bulbs—France, \$586; Netherlands, \$13,459; England, \$48; Hongkong, \$677.

Plants—Netherlands, \$48,155; England, \$1,532; Scotland, \$562; Ireland, \$41; Bermuda, \$31; French W. I., \$79; Colon, \$33; Japan, \$100; France, \$2,761.

Red Clover Seed—France, \$152,432; Netherlands, \$15,057.

Grass Seed—Spain, \$4,467; England, \$3,579; Scotland, \$535; Ireland, \$2,807.

All Other Seeds—Denmark, \$1,757; France, \$9,898; Netherlands, \$587; England, \$14,757; Ireland, \$148; Brazil, \$96; Colon, \$32; British East Indies, \$13,999; Hongkong, \$136; Italy, \$278; Spain, \$4,333; Japan, \$52.

Carbonate of Potash—Hongkong, \$67.

Nitrate of Soda—Chile, \$9,528.

Other fertilizers—Netherlands, \$28,000; England, \$5,960.

One of our readers calls our attention to the fact that the statement on page 412 of our March 25 issue that the next convention of the American Seed Trade Association will be held in Cincinnati is incorrect, as the place of meeting has been changed by the executive committee and the session will be held in Chicago, Ill., on June 20, 21, 22.

#### CATALOGUES RECEIVED.

Joel Shomaker, Nellita, Washington—Circular of Nursery Stock, Wild Flowers, etc.

W. W. Hunt & Co., Blue Hills Nurseries, Hartford, Conn.—Annual Catalogue and Price List; 60 pages of reliable matter, finely illustrated, relat-

ing to hardy ornamental nursery stock.

F. W. Eberle, Albany, N. Y.—Seed Annual for 1916. A wholesome appearing publication, well arranged and illustrated.

C. E. Varnum, Atco, N. J.—Illustrated Catalogue of Dahlias, Cannas, Gladioli, Geraniums, etc. A neat pocket-size pamphlet.

J. H. Troy's Nurseries, New Rochelle, N. Y.—Price List of Ornamental Trees, Shrubs, Roses, etc. An artistic production, attractively illustrated.

J. S. Griffing, Cutchogue, Long Island, N. Y.—Catalogue of Dahlias. This list contains some special surplus offers and members of the Am. Dahlia Society get a 10 per cent cut discount.

Moore Seed Company, Philadelphia.—Seed Buyers' Guide for 1916. Also Wholesale Price List of Bulbs, Seeds and Sundries, and Wholesale Price List of Seeds for Market Gardeners. Three books well adapted to their purpose.

#### "SEEDS WITH A LINEAGE"

Seeds with a generation of finest flowers and vegetables back of them—carefully selected—really tested.

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Brilliant scarlet with reddish brown foliage. Best bedding variety grown. Packet, 25 cents. Catalogue upon application.

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**Sheep Manure**  
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We have a splendid lot of this excellent fertilizer on hand ready for immediate shipment.

Price per ton, \$40.00; 1-2 ton, \$20.00; 500 lbs., \$10.00; 100 lbs., \$2.50.

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**SEEDS for the FLORIST**

**ASTERS** QUEEN of the MARKET.

The best extra early variety, large, double flowers, on long stems, in colors: Crimson, Dark Blue, Light Blue, Rose Peach Blossom, White.

Trade Packet, 20c., Oz., 75c.

Sweet Peas, Cyclamen, Primulas, Lily of the Valley, from Our Own Cold Storage Plant.

Our Trade List Mailed on Application.

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Appreciation of a high order of Merit in Seeds and Seed Service leads naturally to purchasing from

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BLUE LIST OF WHOLESALE PRICES  
 MAILED ONLY TO THOSE WHO PLANT  
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**SEEDS, PLANTS AND BULBS**  
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 WHOLESALE FIELD AND GARDEN SEEDS

Established 1818

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We have yellow sets to offer and a limited quantity of fine Red Globe seed, together with a few other varieties. Are also submitting contract figures for the 1916 onion seed crop. If interested write for prices.

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 in all Seasons



The modern scientific method of plant raising.  
 Send for illustrated descriptive circular and sample, 15c.  
 Also our Collapsible Paper Seed Pot in 2 sizes, 4x2 and 4x3 square, for growing Tomatoes, Sweet Peas, &c., \$10.00 a thousand.

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 131 Hudson St., New York  
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**TUBEROSES**

Dwarf Double Pearl

4½ to 6 inches

\$8.50 per 1000

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**Tuberous-Rooted Begonias**

Single Flowering Type. Red, White, Rose, Yellow, Violet, Orange and Mixed.  
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Extra Selected Stock. Gladiolus for forcing. Nannus, Colvillei or large flowering type. Greenhouse Fertilizers. Ask for 1916 Seed Catalogue.

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**SWEET PEA SEED**

Winter or Summer Spencer, only the best commercial varieties.

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**KEYSTONE SNAPDRAGON**

Best Winter flowering Pink Snapdragon on the market. Per pkt., \$1.00; 6 pkts. for \$5.00.

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Deliver orders from any part of the country to

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Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardsflor

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HARRY L. BANDALL, Proprietor.

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Chicago, Ill.—J. C. Michael 1168 65th Street

Alexandria, Minn.—Holtz & Olson, 3rd Street

Chicago, Ill.—M. S. P. 1168 65th Street

Muskegon, Mich.—Ludman Floral Co., 116 1st Street

Stevens Point, Wis.—W. A. Macklin, 116 1st Street

Philadelphia, Pa.—Harrison Nurseries, 911 Chestnut Street

Los Angeles, Cal.—Norris & Son, Rosslyn Hotel, 5th Street

Brooklyn, N. Y.—Orpheum Floral Studio, 578 Fulton Street

Toledo, O.—Jacob A. & Josephine Helmer, 615 Madison Avenue

Richmond Hill, N. Y.—Richmond Hill Flower Shop, Jamaica Avenue

Newport, R. I.—Edward R. Hass, 196 Thames Street, succeeding his father.

Philadelphia, Pa.—G. A. Leins, 2016 Columbia Avenue, succeeding Albert Wagner

New York, N. Y.—J. H. Small & Sons, removing May 1st to 595 Madison Avenue

Utica, N. Y.—The Rose Shop, 814 Charlotte Street, Bessie Stuart Campbell, proprietor.

**AMONG CHICAGO RETAILERS.**

The Crawford Floral Shop has been purchased by A. G. Fischer and will hereafter be called Fischer's Flower Shop.

Richard Rolson, for several years with the Fleischman Co., is now with the Flower Craft, 1514 Hyde Park Boulevard.

E. G. Bowen has moved from 108 E. 51st Street, on the south side, to 3167 Broadway. The north side store is known as the Bowen Floral Co.

E. C. Jacobson, formerly known as the Wicker Park Florist, has changed his location to 4102 Irving Park Boulevard and is known as the Keystone Florist.

The Golden Floral Co. is a new firm at 173 N. Wabash Avenue, under the management of J. M. Lampert. They are selling outdoor flowers shipped from southern California.

**The Park Floral Co.**

J. A. VALENTINE, Pres.

Members Florists' Telegraph Delivery.

**DENVER, COLORADO  
HIGH GRADE PLANTS**

For Retail Stores a Specialty

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SONS**

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High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada. Members Florists' Telegraph Delivery Association.

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At your service to deliver Flowers or Designs on Order by Telegraph or otherwise. Prompt Reliable Service.

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**J. B. KELLER SONS,  
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The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

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Deliveries to Steamers and all Eastern Points

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Will take good care of your orders  
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Auto delivery of Designs and Flowers to  
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Stock and Work First Class

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Complete Stock. Regular discount to Trade.  
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**CLEVELAND, OHIO**  
Flowers of Every Kind in Season

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440 Main St., Buffalo, N. Y.  
ANDERSON service means fresh, sturdy  
Stock and prompt deliveries in BUFFALO,  
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125,000 Sq. Ft. of Glass  
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Leading Retail Florists Listed by  
Towns for Ready Reference. Orders  
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to any of the firms whose address is  
here given will be promptly and prop-  
erly filled and delivered.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl  
St.

Albany, N. Y.—The Rosery, 23 Steuben  
St.

Albany, N. Y.—Danker, 40-42 Maiden  
Lane.

Albany, N. Y.—William C. Gloeckner, 97  
State St.

Boston—Thos. F. Galvin, 1 Park St.

Boston—Penn the Florist, 37-43 Brom-  
field St.; 124 Tremont St.

Buffalo, N. Y.—S. A. Anderson, 440 Main  
St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan  
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid  
Ave.

Cleveland, O.—Adam Graham & Sons,  
5523 Euclid Ave.

Cleveland, O.—Knoble Bros., 1836 W. 25th  
St.

Cleveland, O.—The Smith & Feters Co.,  
735 Euclid Ave.

Denver, Col.—Park Floral Co., 1643  
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,  
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017  
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-  
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Darks, N. E. corner 44th St.  
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth  
Ave.

New York—Thos. F. Galvin, Fifth Ave.,  
at 46th St.

New York—A. T. Bunyard, 413 Madison  
Ave., at 48th St.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415  
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25  
Clinton Ave., N.

Rochester, N. Y.—Salter Bros., 38 Main  
St., West.

St. Louis, Mo.—Fred C. Weber, 4526-28  
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-  
son Co.

Toronto, Can.—J. H. Dunlop, 8-10 West  
Adelaide St.

Washington, D. C.—Gude Bros., 1214 F  
St.

Washington, D. C.—F. H. Kramer, 915  
F St., N. W.

Washington, D. C.—George H. Cooke,  
Connecticut Ave. and L St.

Westerly, R. I.—Reuter's.

Worcester, Mass.—H. F. A. Lange.

Worcester, Mass.—Randall's Flower Shop,  
3 Pleasant St.

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STORES IN

New London and Norwich, Conn.  
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We cover the territory between  
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**ST. LOUIS, MO.**

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**TORONTO**

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any occasion, in any part of the Dominion.

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Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.



WE PRESENT FOR EASTER AND DECORATION DAY

**5,000,000 WAXED FLOWERS**

A Complete Line of Waxed, Metallic and Magnolia Wreaths

WRITE FOR SPECIAL PRICES

**HENRY M. ROBINSON & CO.,** 32 Otis Street,  
2 Winthrop Sq., **BOSTON**

Telephones, Main 5616-5617-5618, F. H. 55250

**NEWS ITEMS FROM EVERYWHERE****CHICAGO.**

Chas. Erne is out of the hospital and lost no time in getting down to the market where he was warmly welcomed.

Quite a party of florists, which included local and outside florists, left on Saturday afternoon, March 25, for the National Flower Show at Philadelphia.

Wm. Graham, who came from Philadelphia this winter to be manager of Fleischman's, could not be spared to assist at the National Flower Show as planned.

Frank Oechlin's new house on W. Jackson boulevard is now completed. It is a beautiful place and the grounds will be suitably laid out as soon as spring opens.

Seven thousand dollars will be spent this year in Chicago on school grounds and vacant lots. This work has become quite a factor in Chicago's summer industries.

Wm. Keimel, president of the Chicago Florists' Club, is in the Quaker City and will bring home to his club a report of the show. Guy French, secretary, is also taking in the sights at Philadelphia.

The greenhouse construction companies are all having many inquiries for prices, &c., as well as booking many orders for spring building. That it is to be a busy summer in their line is an assured fact.

Some of the largest Killarney Brilliant roses of the season were seen at E. C. Ameling's this week. The buds were nearly three inches long and the heavy stems measure from 30 to 36 inches. This rose is seen in all the

houses and is making a good record for itself.

Chicago florists are keeping a close watch on their greenhouses these days when the loss of Easter stock would mean so much. Between the sudden changes of temperature and the downpour of rain they have to be constantly alert. No one claims a previous record showing thunder and lightning in a genuine blizzard as occurred March 21.

O. A. and L. A. Tonner are now nicely settled in the Atlas Block, where the wholesale cut flowers and florists' supplies make a good combination. L. A. Tonner, who has also large holdings in the pecan belt in Georgia, makes the selling of pecan orchards a part of the regular business. Samples of the pecan nuts can be purchased here.

**WASHINGTON, D. C.**

The officers elected at the March meeting of the Florists' Club are to be installed on April 4. It is expected that the newly elected president, Lloyd Jenkins, will be able to attend. Mr. Jenkins has been confined to his home suffering from scarlet fever.

Gude Bros. Company has a very attractive window display in honor of the commencement in this city of the national tournament of the Atlantic Coast Bowling Association. One side of the window is covered with a trellis upon which is entwined pink and white ramblers and at the base of this is a small rockery. The main decoration is that produced by a bowling alley upon which are set candle, duck and bottle pins, each bearing the crest of the association. At the front end of the alley is a bowling ball

with a silver plate properly inscribed and a large placard which announces that this ball has been "presented to William F. Gude, national president, A. C. B. A., by P. B. Fletcher, to be rolled at the opening of the national tournament, Emery Building, April 3, 1916."

**PITTSBURGH.**

C. C. Phillips, for the past four years in Winnipeg, Manitoba, entered the employ of The McCallum Co. last Monday.

DeForest W. Ludwig, who has been seriously ill since the first of the year, left on last Saturday night for an indefinite sojourn at Southern Pines, N. C.

Oliver Marvin Crosby, formerly in the employ of Peter Henderson & Company, is now associated with the Pittsburgh Branch of the Inside Bureau as psychological lecturer.

Miss Catherine Friel, manager of the Ray J. Daschbach Co., is convalescing from a severe illness. Mr. Daschbach, manager for Kaufmann's has returned from a trip East.

John R. Bracken, a young State College man, who has been recently assistant landscape architect for the A. W. Smith Company, today assumed a similar position in Philadelphia with Oglesby Paul.

Cincinnati—The A. Sunderbruch Sons' store has moved to Fourth street, near Race. It had been in its old location for 38 years.

The Reading Florists' Association, Reading, Pa., will hold their fall show in the Auditorium, Nov. 2, 3 and 4.

A Florist's  
Necessity**HART'S HANDY HANDLE**

This sort of a plant started and by the use of a little chaf-  
fer or a fork, grows you a flower without at a very small additional  
expense, increasing the price of your plants 100 per cent.

1	12 inches high,	\$2.50 per doz.	4	24 inches high,	\$5.00 per doz.
2	15 " "	3.50 " "	5	30 " "	6.50 " "
3	18 " "	4.00 " "	6	36 " "	9.00 " "

At Your Dealer's or Direct.

**GEO. B. HART, Manufacturer, 24 to 30 Stone Street, Rochester, N. Y.**

# Baskets of Distinction

## FOR YOUR

# EASTER TRADE

Lovely Creations in Velour Grey, Tiffany Lavender, Imperial Blue with Florentine Floral Garlands in Pure White; Absolutely New Ideals, Our Own Manufacture, and shown for the First Time at the National Flower Show in Philadelphia where they demonstrated **Great Selling Qualities.**

Try a \$25 to \$40 selection. You'll quickly want more.

*We have everything in Dependable Easter Florists' Supplies.  
Prices moderate. Order now.*

**THE FLORISTS' SUPPLY HOUSE OF AMERICA**

**H. BAYERSDORFER & CO.,** 1129 Arch Street,  
PHILADELPHIA, PA.

#### BOSTON.

J. Delay, formerly in business for himself on Beacon St., and lately with Penn, is now in the employ of Max Fishelson on Winter St.

A. A. Pembroke returned from the show this morning and brings back the news that he captured more prize money than any other single carnation exhibitor.

Mayor Curley has received and accepted the resignation of Charles Gibson from the Park and Recreation Board. Mr. Gibson was an unpaid member, appointed by Mayor Curley early in his administration.

McAlpine & McDonald, wholesalers on Devonshire street, are preparing to move into their new business quarters, directly across the street from where they have been located. Work has been started on the ice chest, and the old Boston American office will soon be filled with their stock. They will be installed there not later than April 10.

At a gathering in Elizabeth Park, Thursday evening, March 2, twenty-two gentlemen connected with the work of landscape design or landscape planting met as the guests of G. A. Parker, superintendent of parks of Hartford, Conn. After a get-together meeting, luncheon was served. Informal talks were given by several, with E. M. Brown as master of ceremonies. The committee, appointed to draw up a scheme for organization consists of C. H. Sierman, T. H. Desmond, H. G. Clark, E. M. Brown, W. W. Hunt of Hartford and L. F. Prouty of Springfield.

Portland, Me. — H. S. Rogers has been appointed manager of the Portland Flower Store, 631 Congress St.

Eben S. Haskell, florist, of Lebanon, Vt., and Mrs. Haskell, celebrated their golden wedding anniversary March 21st.

#### NEW CORPORATIONS.

Chicago, Ill.—Illinois Flower Box Co., capital stock, \$25,000.

Matawan, N. J.—Monmouth Seed Co., capital stock, \$100,000. Incorporators, Robert V. and John K. Crine and Samuel D. Jones.

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NEW YORK, Broadway at 54th Street



Broadway Cars from Grand Central Depot

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### New and Fireproof

Strictly First Class — Rates Reasonable

Rooms with Adjoining Bath

**\$1.50 up**

Rooms with Private Bath

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Suites **\$4.00 up**

10 Minutes Walk to 40 Theatres

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## HARRY P. STIMSON

Formerly with Hotel Imperial

Only New York Hotel Window-Screened Throughout

## FOR PHILADELPHIA'S BEST BEAUTIES

send your order in our direction. The supply is increasing and your order will be filled if placed with us, and at the lowest market price.

### THE LEO NIESSEN CO.

Wholesale Florists

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## EDWARD REID WHOLESALE FLORIST

1619 - 21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES  
and all Seasonable Varieties of Cut Flowers

## REED & KELLER

122 West 25th St., New York

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We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Decorative Glassware, Growers and  
Florists' Requisites

## Wired Toothpicks

Manufactured by

### W. J. COWEE, Berlin, N. Y.

10,000...\$1.85. 50,000...\$8.00. Sample free.  
For sale by dealers.

## E. G. HILL CO.

Wholesale Florists

RICHMOND, IND.

Please mention Horticulture when writing.

## MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH.

Telephone 3860 Madison Square

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WHOLESALE

## Plantmen and Florists

37 and 39 West 28th St., NEW YORK



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mention HORTICULTURE.

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For QUALITY  
and SERVICE

We are Wholesale Florists Doing a Strictly Wholesale Business

Long Distance Central 3283  
Phones Central 3284  
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## POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around  
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list

## WELCH BROS. CO. Wholesale Cut Flower Market

Daily consignments from leading growers Full line of Florists' Supplies Write for quotations before ordering elsewhere

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Telephone, Main 6267-6268

## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Mar. 3		ST. LOUIS Mar. 17		PHILA. Mar. 1	
Roses						
Am. Beauty, Special	30.00	to 3.00	25.00	to 40.00	60.00	to 75.00
" " Fancy and Extra	20.00	to 25.00	20.00	to 30.00	30.00	to 40.00
" " N. York	1.00	to 1.00	1.00	to 1.00	6.00	to 12.50
Russell, Halley	4.00	to 12.00	10.00	to 12.00	6.00	to 20.00
Kilbuck, Kilmind, Hillington, Ward, Extra	4.00	to 7.00	6.00	to 10.00	8.00	to 12.00
" " Ordinary	1.00	to 4.00	4.00	to 5.00	4.00	to 6.00
Arenberg, Balance, Left, Key, Extra	1.00	to 7.00	1.00	to 8.00	8.00	to 12.00
" " Ordinary	1.00	to 4.00	1.00	to 4.00	4.00	to 6.00
Ophelia, M. K., Sunburst, Extra	4.00	to 7.00	8.00	to 10.00	8.00	to 12.00
" " Ordinary	2.00	to 4.00	5.00	to 6.00	4.00	to 6.00
Carnations, Fancy	2.00	to 3.00	3.00	to 4.00	3.00	to 4.00
" " Ordinary	1.50	to 2.00	1.00	to 2.00	2.00	to 3.00
Cattleyas	15.00	to 1.00	50.00	to 60.00	25.00	to 30.00
Dendrobium formosum	1.00	to 35.00	1.00	to 1.00	1.00	to 1.00
Lilies, Longiflorum	6.00	to 8.00	10.00	to 12.00	8.00	to 12.00
" " Rubrum	5.00	to 4.00	4.00	to 6.00	4.00	to 6.00
Callas	5.00	to 1.00	10.00	to 12.50	8.00	to 1.00
Lily of the Valley	2.00	to 4.00	1.00	to 4.00	2.00	to 5.00
Delices	1.00	to 2.00	1.00	to 3.00	1.00	to 2.00
Violets	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Mignonette	2.00	to 1.00	3.00	to 5.00	2.00	to 4.00
Snapdragon	4.00	to 6.00	2.00	to 3.00	4.00	to 1.00
Daffodils	1.00	to 2.50	1.00	to 3.00	1.00	to 4.00
Gladioli	1.00	to 12.00	1.00	to 1.00	1.00	to 1.00
Tulips	1.00	to 3.00	3.00	to 4.00	2.00	to 4.00
Hyacinths	2.00	to 3.00	4.00	to 4.00	1.00	to 1.00
Freesia	1.00	to 1.50	1.00	to 3.00	1.00	to 3.00
Calendulas	1.00	to 1.00	1.00	to 3.00	2.00	to 4.00
Lilac	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Sweet Peas	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Gardenias	20.00	to 35.00	1.00	to 5.00	1.00	to 25.00
Adiantum	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Smilax	12.00	to 16.00	10.00	to 12.50	15.00	to 20.00
Asparagus Plumosus, & Spon. (100 Bchs)	25.00	to 35.00	20.00	to 25.00	25.00	to 50.00

## WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

## J. A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and  
CARNATIONS  
A Specialty

WHOLESALE  
GROWER of

## CUT FLOWERS

## Flower Market Reports

**BOSTON** The mid-Lenten calm has struck this market and stock is moving more slowly than last week. Roses and carnations are over-abundant and as the demand is weak prices cannot be maintained. Bulb stocks are doing fairly well and jonquils seem to have a slight edge on the other varieties. The warm weather will in all probability tend to increase the supply and perchance the demands as well. Violets are running slowly. Callas and Easter lilies are plentiful and sluggish. It is impossible to forecast accurately the tone of next week's market because of the uncertainty of the weather, but in comparison with the corresponding week of last year prices are lower and stock more plentiful. Relief is expected, however, in a cold snap which will curtail the supply and make higher prices possible.

The early part of last **BUFFALO** week was discouraging but the last half was better. Stock has been plentiful and prices right, but weather conditions have held down the sales. There was no speculative buying until the change to the milder temperature and then there was a hustle on and very satisfactory outcome. Last Saturday saw the best cleanup so far during the Lenten season. Milder days means double the volume of business.

The week closing March **CHICAGO** 25 did not make a high record financially. Prices did not come up to quotations, excepting in small orders, while on very large orders great concessions were made. It seemed to be accepted as the better policy to sell the accumulating stock at a low price and give the buyer the benefit, rather than to sell a portion at a higher figure and throw the rest away. All kinds of stock, with one or two exceptions, are coming in rapidly. Sunday, the 26th, sales were almost nothing, on account of the general downpour, which lasted all day, and Monday, the 27th, was of the same type. Fortunately, shipments were not large or the market would have been swamped. A good supply of large, fine carnations comes daily and the price averages very well for spring time. All kinds of roses, except American Beauties, are to be had in almost any quantity and the price varies greatly according to size of order or the persuasive powers of the customer. A great many lilies are in the market. The early and late crops of peas are overlapping, making an extra quantity just now. Single violets are scarce. Calendulas, mignonette, snapdragons, daisies, tulips, jonquils, pansies, &c., furnish variety.

The supply increased greatly last week and as a result the market is easy. The call for stock is fair, but not large enough to take up all receipts and prices have dropped. Roses are very plentiful. American Beauties are in a fair supply. Carnations have become plentiful. Easter lilies are scarce and sell very well. Sweet peas are in so heavy supply that it is impossible to move all even at bargain prices. Lily of the valley has a poor market while orchids have practically



## SWEET PEAS

Wonderful quality in endless variety, all the newer shades

75c, \$1.00, \$1.25, \$1.50 per 100

Our growers are cutting freely, so can take care of all orders large or small.

### VALLEY

Special \$5.00 per 100. Extra \$4.00 per 100

### GARDENIAS

Per dozen \$1.00, \$2.00, \$3.00

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**NEW YORK**  
117 W. 28th St.

**BALTIMORE**  
Franklin & St. Paul Sts.

**WASHINGTON**  
1216 H St., N. W.

## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI March 27		CHICAGO March 26		BUFFALO March 27		PITTSBURGH March 27	
<b>Roses</b>								
Am. Beauty, Special.....	40.00	to 50.00	40.00	to 50.00	35.00	to 40.00	30.00	to 40.00
"    Fancy and Extra.....	30.00	to 35.00	30.00	to 40.00	25.00	to 35.00	20.00	to 30.00
"    No. 1.....	10.00	to 25.00	10.00	to 25.00	10.00	to 12.00	8.00	to 12.00
Russell, Hadley.....	6.00	to 15.00	3.00	to 25.00	.....	to 10.00	.....	to 50.00
Killarney, Rich'm'd, Hill'don, Ward	6.00	to 8.00	8.00	to 10.00	8.00	to 10.00	4.00	to 12.00
Ord.	4.00	to 6.00	2.00	to 5.00	4.00	to 6.00	.....	to 10.00
Arenburg, Radiance, Taft, Key, Ex.	6.00	to 8.00	8.00	to 10.00	8.00	to 10.00	6.00	to 12.00
Ord.	4.00	to 6.00	3.00	to 5.00	5.00	to 6.00	.....	to 10.00
Ophelia, Mock, Sunburst, Extra	7.00	to 8.00	8.00	to 10.00	8.00	to 10.00	4.00	to 12.00
Ordinary	4.00	to 6.00	3.00	to 5.00	4.00	to 6.00	.....	to 10.00
<b>Carnations, Fancy</b> .....	3.00	to 4.00	3.00	to 4.00	2.50	to 3.00	.....	to 3.00
Ordinary	.....	to 2.00	1.00	to 2.00	1.50	to 2.00	.....	to 2.00
<b>Cattleyas</b> .....	40.00	to 50.00	40.00	to 50.00	40.00	to 50.00	30.00	to 40.00
<b>Dendrobium formosum</b> .....	.....	to 35.00	.....	to 35.00	.....	to 35.00	.....	to 40.00
<b>Lilies, Longiflorum</b> .....	10.00	to 12.00	6.00	to 8.00	10.00	to 12.00	8.00	to 12.00
Rubrum.....	.....	to 8.00	6.00	to 8.00	4.00	to 6.00	6.00	to 8.00
Callas.....	8.00	to 10.00	6.00	to 8.00	8.00	to 10.00	.....	to 10.00
Lily of the Valley.....	4.00	to 5.00	3.00	to 4.00	4.00	to 5.00	3.00	to 4.00
Daisies.....	.....	to 1.00	.....	to 1.00	1.00	to 1.50	2.00	to 3.00
Violets.....	.50	to .75	.25	to 1.00	.40	to .50	.50	to .75
Mignonette.....	.....	to 3.00	3.00	to 6.00	3.00	to 5.00	.....	to 4.00
Snapdragon.....	6.00	to 12.00	8.00	to 12.00	6.00	to 10.00	6.00	to 10.00
Daffodils.....	2.00	to 4.00	2.00	to 3.00	2.00	to 3.00	2.00	to 4.00
Gladioli.....	.....	to 3.00	.....	to 3.00	.....	to 3.00	.....	to 3.00
Tulips.....	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00	3.00	to 4.00
Hyacinths.....	3.00	to 5.00	2.00	to 4.00	2.00	to 3.00	.....	to 3.00
Freesia.....	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00	.....	to 3.00
Calendulas.....	.....	to 2.00	2.00	to 3.00	.....	to 3.00	2.00	to 4.00
Lilac (per bunch).....	.....	to 1.50	.....	to 1.50	.....	to 1.50	.....	to 1.50
Sweet Peas.....	.50	to 1.50	30	to 1.50	.....	to 1.50	.50	to 1.50
Gardenias.....	.....	to 30.00	30.00	to 40.00	25.00	to 30.00	.....	to 35.00
Adiantum.....	.....	to 1.00	.....	to 1.00	1.00	to 1.25	.75	to 1.00
Smilax.....	12.50	to 15.00	12.00	to 15.00	.....	to 15.00	.....	to 15.00
Asparagus Plu. & Spren. (12 Bls.)	25.00	to 50.00	35.00	to 50.00	40.00	to 60.00	40.00	to 50.00

no market at all. Snapdragon has been meeting with a pretty fair call.

Great accumulations of flowers are seen in the wholesale places without exception, this week. Up to the advent of springlike weather the majority of stock sent in met with a fair sale. This was true even of tulips and daffodils which are usually congested at this season. But now they are all held up and there is only a small demand. Sweet peas and miscellaneous flowers, so called, are heaped up in the wholesale windows together with lilies and other bulb stock where they excite no interest, spurned even by the street fakir. Roses have moved fairly well and so have carnations according to quality, which varies much but all are doomed to a scaling down in value regardless of quality. Tuesday, New York Day at the National Flower Show, was the dullist day the business has experienced for a long time.

Finally we have begun to feel the Lenten season, business having "slowed up" considerably during the past ten days. Stock has likewise been less plentiful, practically everything, with the exception of American Beauties and violets, cleaning up nicely as the days go by. There have been some southern daffodils coming in, which naturally have their effect on the sale of the far superior home-grown flowers. Prices remain very much as they have been for some time.

The cut flower market **ST. LOUIS** is very much overcrowded and prices much lower on good quality stock. Lent seems to hurt some, as many of our prominent retailers say that funeral work is their only business of late. Sweet peas are in heavy and are sold at low prices. Roses and carnations are holding their price in

(Continued on page 464)

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Choice Cut Flowers

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Ferns, Mosses, Wild Smilax, Galax,  
Leucothoe, Palmetto, Cycas, both fresh  
cut and prepared.

Laurel, Hemlock, all Decorative Evergreens.

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A Full Line of ALL CUT FLOWERS.  
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24 Stone St., Rochester, N. Y.

Regular Shipments Wanted of

Pansies and Violets

I have a good market for them.

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WHOLESALE ONLY

SAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US

Prices Right. Consignments Solicited. Telephone Connection

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**ORCHIDS A SPECIALTY**

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GARDENIAS, DAISIES, ROSES, CARNATIONS  
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Telephones 1604 / 1605 / Madison Square

CONSIGNMENTS SOLICITED

**NEW YORK QUOTATIONS PER 100. To Dealers Only****ROSES AND CARNATIONS**

	Last Half of Week ending Mar. 25 1916		First Half of Week beginning Mar. 27 1916	
American Beauty, Special	2.00	to 3.00	25.00	to 31.00
" " Fancy and Extra	10.00	to 20.00	10.00	to 20.00
" " No. 1	1.00	to 5.00	1.00	to 5.00
Russell, Hadley	12.00	to 35.00	1.00	to 35.00
Killarney, Richmond, Hillingdon, Ward, Extra	4.00	to 7.00	4.00	to 6.00
" " Ordinary	1.00	to 4.00	1.00	to 4.00
Arenburg, Radiance, Taft, Key, Extra	6.00	to 9.00	6.00	to 8.00
" " Ordinary	1.00	to 4.00	1.00	to 4.00
Ophelia, Mock, Sunburst, Extra	6.00	to 8.00	1.00	to 8.00
" " Ordinary	2.00	to 6.00	2.00	to 6.00
Carnations, Fancy	2.00	to 3.00	2.00	to 3.00
" " Ordinary	1.00	to 1.00	1.00	to 1.50

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55-57 West 26th Street

Telephones, 13—8510 Madison Square

Consignments Solicited

MAURICE L. GLASS, Treasurer

## Flower Market Reports

(Continued from page 463)

fancy grades, while the great majority are much lower. Colored stock, unless cheap, is left over. Bulbous stock does as well as any other.

Roses of all kinds **WASHINGTON** are selling well and the market is about cleaning up daily. There are more American Beauty roses than there have been and this has brought the price down considerably. There are still more violets on the market than can be absorbed by sales to the stores and these consequently find their way into the baskets of the street men. Sweet peas also are in oversupply with the same result. Lily of the valley is not as good as it might be regardless of the fact that the price is a dollar per hundred higher than normal in this locality. Carnations are selling fairly well. There is a good market for callas and lilies.

### VISITORS' REGISTER.

Philadelphia—Hundreds of the wide-awake florists and gardeners of a continent.

St. Louis—A. M. Sanders, rep. Poehlmann Bros. Co., Chicago; Cabot Ward, New York City.

Cincinnati—Chas. L. and Carl Baum, Knoxville, Tenn.; N. Cheeseman, repr. R. M. Ward & Co., New York; D. MacRorie and A. Rossi, San Francisco.

Chicago—Vincent Gorley, St. Louis, Mo.; Henry Duernberg, St. Louis, Mo.; Sam Murray, Kansas City, Mo.; Miss Elizabeth Hayden, Kansas City, Mo.; James Forbes, Portland, Oregon.

Pittsburgh: Julius Dilhoff, New York; Charles Baum and son, Knoxville, Tenn.; A. Lange, Chicago; John A. Evans, Richmond, Ind.; Charles Netsch, Buffalo; William Desmond, Minneapolis, Minn.

Washington, D. C.: W. B. Vanderbis, Boskoop, Holland; Stephan Green, Phila.; Joseph J. Goudy, repr. H. A. Dreer, Phila.; Theodore Wirth, Minneapolis, Minn.; J. J. Hess, Omaha, Neb.; S. A. Star, Goldsboro, N. C.; Henry W. Rieman, Indianapolis, Ind.; Edward B. Morris, Jr., Phila.; Stephan J. Mahoney, Henry C. Kraus and J. A. Cannon, Buffalo, N. Y.; Mr. and Mrs. William J. Smyth and daughters, Chicago; W. D. Howard, Milford, Mass.; J. W. Niestlee, Wilmington, N. C.; Will Rehder, Wilmington, N. C.

### BUSINESS TROUBLES.

Newark, N. J.—Harry C. Strobell, florist, involuntary petition in bankruptcy, filed by Nathan Bilder, representing Wm. G. Muller and others.

## HEADQUARTERS

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Full line of BULBOUS STOCK, BOURBON, SWEET PEAS and other Seasonable Flowers.

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STORE OPEN FOR BUSINESS AT 6 A. M.

### NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Mar. 25 1916		First Half of Week beginning Mar. 27 1916	
Cattleyas.....	15.00	to 30.00	15.00	to 30.00
Dendrobium formosum.....	20.00	to 35.00	20.00	to 35.00
Lilies, Longiflorum.....	4.00	to 6.00	4.00	to 6.00
Rubrum.....	2.00	to 6.00	2.00	to 6.00
Callas.....	6.00	to 10.00	6.00	to 10.00
Lily of the Valley.....	1.00	to 4.00	1.00	to 4.00
Daisies.....	.50	to 2.00	.50	to 2.00
Violets.....	.15	to .35	.15	to .35
Mignonette.....	2.00	to 6.00	2.00	to 6.00
Snapdragon.....	3.00	to 8.00	3.00	to 8.00
Daffodils.....	1.00	to 2.00	1.00	to 2.00
Gladiali.....	6.00	to 8.00	6.00	to 8.00
Tulips.....	1.00	to 3.00	1.00	to 3.00
Hyacinths.....	1.00	to 2.00	1.00	to 2.00
Freesia.....	.50	to 2.00	.50	to 2.00
Calendulas.....	1.00	to 2.00	1.00	to 2.00
Lilac (per bunch).....	.50	to 1.00	.50	to 1.00
Sweet Peas.....	.25	to 1.00	.25	to 1.00
Gardenias.....	8.00	to 25.00	8.00	to 25.00
Adiantum.....	.50	to 1.00	.50	to 1.00
Smilax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, & Spreng (100 bunches).....	15.00	to 25.00	15.00	to 25.00

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I have an unlimited market for your flowers, any variety, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty-eight years in the Cut Flower Commission Business.

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Flowers Sold on Commission  
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Magic Humus.  
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Pulverized Manure Co., Chicago, Ill.  
Wizard Brand Cattle Manure.  
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H. Bayersdorfer & Co., Philadelphia, Pa.  
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Welch Bros. Co., Boston, Mass.  
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A. H. Hews & Co., Inc., Cambridge, Mass.  
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Aphine Mfg. Co., Madison, N. J.  
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Madame Salleron—2 in., \$2.00 per 100;  
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HOUSES, Wm. Doel, Prop., Pascoag, R. I.  
S. A. Nutt geraniums. Extra fine stock.  
Write for sizes and prices. FRANK  
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Sharp, Partridge & Co., Chicago.  
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Parshelsky Bros., Inc., Brooklyn, N. Y.  
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Greenhouse glass, lowest prices. JOHN-  
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Johnston Brokerage Co., Pittsburgh, Pa.  
High-Grade Hand-Made Greenhouse Glass.

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Lord & Burnham Co., New York City.  
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Foley Greenhouse Mfg. Co., Chicago, Ill.  
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Hitchings & Co., New York City.  
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A. T. Stearns Lumber Co., Boston, Mass.  
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**GREENHOUSE CONSTRUCTION—(Con.)**

Metropolitan Material Co., New York City.  
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Lord & Burnham Co., New York City.  
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**GREENHOUSE SHADING**

E. A. Lippman, Morristown, N. J.  
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**GUTTERS**

King Construction Co., N. Tonawanda, N. Y.  
King Channel Gutter.  
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**HAIL INSURANCE**

Florists' Hall Asso. of America.  
J. G. Esler, Saddle River, N. J.  
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**HARDY FERNS AND GREEN GOODS**

Michigan Cut Flower Exchange, Detroit,  
Mich.  
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The Kervan Co., New York.  
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**HARDY PERENNIALS**

Bay State Nurseries, No. Abington, Mass.  
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Palisades Nurseries, Inc., Sparkill, N. Y.  
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Old Town Nurseries, So. Natick, Mass.  
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P. Ouwerkerk, Hoboken, N. J.  
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Henry A. Dreer, Philadelphia, Pa.  
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R. & J. Farquhar & Co., Boston, Mass.

**HART'S HANDY HANDLE**

Geo. F. Hart, Rochester, N. Y.  
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**HEATHER**

Anton Schultheis, College Point, N. Y.  
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**HEATING APPARATUS**

Kroeschell Bros. Co., Chicago.  
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Lord & Burnham Co., New York City.  
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**HERBACEOUS PLANTS**

R. & J. Farquhar & Co., Boston, Mass.

**HOT BED SASH**

Parshelsky Bros., Inc., Brooklyn, N. Y.  
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S. Jacobs & Sons, Brooklyn, N. Y.  
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Foley Greenhouse Construction Co.,  
Chicago, Ill.

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A. T. Stearns Lumber Co., Neponset, Mass.  
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Lord & Burnham Co., New York City.  
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Standard botbed sash, 1 3/4 in. thick, with  
crossbar, 80c. each; lots of 25 and over, 75c.  
each. Blind tenons; white leaded in joints.  
The life of a sash depends on this construction.  
We GUARANTEE our sash to be  
satisfactory or refund your money. Glass,  
6x8, 8x10, 10x12, or 10x14, \$1.50 per  
box of 50 sq. ft. C. N. ROBINSON & BRO.,  
Dept. 29, Baltimore, Md.

**HOSE**

H. A. Dreer, Philadelphia, Pa.  
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Metropolitan Material Co., Brooklyn, N. Y.  
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**HOTEL ACCOMMODATIONS**

Hotel Cumberland, New York City.  
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Aphine Manufacturing Co., Madison, N. J.  
Aphine.

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Nicotine Mfg. Co., St. Louis, Mo.

Aphine, Philadelphia, N. J.  
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Eastern Chemical Co., Boston, Mass.  
Imp. Soap Spray.  
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**JACKSON PECANS**

Jackson Pecan Groves Co., L. A. Towner,  
Ag't., Chicago, Ill.

**LILY BULBS**

Chas. Schwake & Co., New York City.  
Horticultural Importers and Exporters.  
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R. M. Ward & Co., New York, N. Y.  
Japanese Lily Bulbs of Superior Quality.  
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Joseph Breck & Sons Corp., Boston, Mass.  
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**LILY OF THE VALLEY PIPS**

Chas. Schwake & Co., Inc., New York City.  
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Hohmann's Famous Lily of the Valley Pips  
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Loechner & Co., New York City.  
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J. M. Thorburn & Co., New York City.  
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McHutchison & Co., New York City.  
Berlin Valley Pips.

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Lily of the Valley pips, \$5.00 per 1000;  
clumps, \$8.00 per 100. Also all vegetable  
seedlings. Write HENRY SCHAUMBERG,  
Hickmont, N. J.

**MANETTI STOCKS—ENGLISH**

McHutchison & Co., New York City.  
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**MARGUERITES**

A. L. Miller, Jamaica, N. Y.  
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**MASTICA**

F. O. Pierce Co., New York City.  
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**NATIONAL NURSERYMAN**

National Nurseryman Publishing Co., Inc.,  
Rochester, N. Y.

**NIKOTEE**

Nicotine Mfg. Co., St. Louis, Mo.  
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**NIKOTIANA**

Aphine Mfg. Co., Madison, N. J.  
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**NURSERY STOCK**

R. & J. Farquhar & Co., Boston, Mass.  
New Shrub—Lonicera Maackii.  
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Old Town Nurseries, So. Natick, Mass.  
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P. Ouwerkerk, Weehawken Heights, N. J.  
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W. & T. Smith Co., Geneva, N. Y.  
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The D. Hill Nursery Co., Dundee, Ill.  
Hill's Evergreens.

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Bay State Nurseries, North Abington, Mass.  
Hardy, Northern Grown Stock.

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Bobbink & Atkins, Rutherford, N. J.  
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August Rolker & Sons, New York City.  
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**NUT GROWING**

The Nut-Grower, Waycross, Ga.

**ONION SEEDS**

Schilder Bros., Chillicothe, Ohio.  
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**ONION SETS**

Leonard Seed Co., Chicago, Ill.  
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Everette R. Peacock Co., Chicago, Ill.  
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Schilder Bros., Chillicothe, Ohio.  
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**ORCHID FLOWERS**

Jas. McManus, New York, N. Y.  
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**ORCHID PLANTS**

James Roberts Co., Rochester, N. Y.  
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Lager & Hurrell, Summit, N. J.

**In writing to Advertisers kindly mention Horticulture**

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- James McManus, 105 W. 28th St.  
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- Moore, Hentz & Nash, 55 and 57 W. 26th St.  
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- Charles Millang, 55 and 57 West 26th St.  
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- W. P. Ford, 107 W. 28th St.  
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- The S. S. Pennock-Meehan Co., 117 West 28th St.  
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### Philadelphia

- Leo. Niessen Co., 12th and Race Sts.  
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- Edward Reid, 1619-21 Ranstead St.  
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### Rochester, N. Y.

- George B. Hart, 21 Stone St.  
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### Washington

- The S. S. Pennock-Meehan Co., 1216 H St., N. W.  
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### PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., March 28, 1916.—Sealed Proposals will be received in this office until 10 a. m., April 21, 1916, and then opened, for sodding and seeding; and planting trees, shrubs, etc., on the grounds of the Federal Building at Plymouth, Mass., in accordance with drawing T-1, and specification, copies of which may be had on application to the Custodian of the Building, or at this office. Jas. A. Wetmore, Acting Supervising Architect.

## New Offers In This Issue

### ADVANCE SASH-OPERATING DEVICE.

Advance Co., Richmond, Ind.  
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### BASKETS OF DISTINCTION FOR EASTER TRADE.

H. Bayersdorfer & Co., Philadelphia, Pa.  
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### EASTER PLANTS.

Robert Craig Co., Philadelphia, Pa.  
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### EVERYTHING FOR THE GARDEN, LAWN AND FARM.

Peter Henderson & Co., New York.  
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### GREENHOUSE BOILERS.

Kraeschell Bros. Co., Chicago, Ill.  
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### HEATHER AND EASTER FLOWERING PLANTS.

Anton Schultheis, College Point, N. Y.  
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### HIGH GRADE SEEDS AND BULBS.

Michell's Seed House, Philadelphia, Pa.  
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### INSECTICIDES.

Plantlife Co., Inc., New York.  
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### LILIES AND CUT FLOWERS.

N. F. McCarthy & Co., Boston, Mass.  
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### LIQUID PUTTY MACHINE.

Metropolitan Material Co., Brooklyn, N. Y.  
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### NEW CROP ASPARAGUS SEED.

Henry F. Michell Co., Philadelphia, Pa.  
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### ORCHIDS AND EASTER FLOWERING PLANTS.

Julius Roehrs Co., Rutherford, N. J.  
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### PULVERIZED SHEEP MANURE.

R. & J. Farquhar & Co., Boston, Mass.  
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### RAW AND PREPARED HUMUS.

Aphano Humus Co., New York.  
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### SEEDS FOR THE FLORIST.

Fotter, Fiske, Rawson Co., Boston, Mass.  
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### SPHAGNUM MOSS.

New England Florist Supply Co., Boston, Mass.  
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### SWEET PEAS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.  
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### TUBEROUS ROOTED BEGONIAS.

Hogsworld & Sons, New York.  
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### VISIT THE HOME OF THE NEPH-ROLEPIS FAMILY.

F. E. Peterson Co., Troy, N. Y.  
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### WAXED FLOWERS AND METALLIC MAGNOLIA WREATHS.

Henry M. Robinson & Co., Boston, Mass.  
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## WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as six words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 147 Summer St., Boston.

### HELP WANTED

WANTED—A young married man who understands the raising of apples, strawberries, tomatoes, etc., and selling same; also a general farm knowledge. "F. D." care HORTICULTURE.

WANTED AT ONCE—Working Foreman in rose houses. Apply with references, and for any other information to BEECHWOOD HEIGHTS NURSERIES, Bound Brook, N. J.

### SITUATIONS WANTED

SITUATION WANTED—By married man, 34 years old, 12 years nursery experience, 6 years as foreman. Address "V. G.," care HORTICULTURE.

SITUATION WANTED—Position wanted as gardener and florist on small private estate. Three years greenhouse experience. Good references. CLIFFORD J. HINDS, Keene, N. H., General Delivery.

SITUATION WANTED—By single man, 16 years' experience in all branches; first class references. Intend to change by 15th of April—on private estate. Address "B. S.," care of HORTICULTURE.

SITUATION WANTED—Head gardener, middle age; life experience in the business and understands the routine of work inside and out; greenhouse plants, fruit, vegetables. Married, no family. "F.," care HORTICULTURE, Boston, Mass.

WANTED—Young man, college graduate, would like a position. Some experience in floriculture and landscape gardening; four years on market garden; some journalist experience. Open to any good offer. Address "G. Q.," care HORTICULTURE.

SITUATION WANTED—By Head Gardener (English) on private estate; life experience in all branches of Horticulture both under glass and outside; well up in alpine and herbaceous plants, and all work in general on a private estate. Good references. Married, no family. "F.," care HORTICULTURE

### FOR SALE

A GOOD CHANCE TO BUILD A GREENHOUSE AT ONE-HALF COST.

FOR SALE: Greenhouse Rafters, Ridge Pole, Ventilators and Doors, all Cypress wood; also, Ventilating Machines, Shafting and Arms, and Wrought Iron Pipes, 1½, 1¼ and 2 in. These articles are not new but in good condition, and well worth the cost. If interested, write to CHAS. HOFFMEYER, Carnegie, Pa.

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money.

PARSHELSKY BROS., INC., 215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE—Modern Greenhouse Plant, located in city of thirty thousand. Address E. A. CHURCHILL, 41 Royal St., Lowell, Mass.

### MISCELLANEOUS

GREENHOUSES TO LET, 30 x 100 and 10 x 105 ft., suitable for Geraniums. MRS. PRISCILLA GRASSIE, 92 Bartlett Ave., Waverly, Mass. Tel., Belmont 164-M.

# In writing to Advertisers kindly mention Horticulture

# PINO-LYPTOL

## WEED KILLER

THE VERY NEWEST AND QUICKEST METHOD OF DESTROYING WEEDS, GRASS AND OTHER GROWTH IN GARDEN WALKS, GUTTERS, TENNIS COURTS, DRIVEWAYS, ETC.

This new and simple method of destroying weeds and other growth wherever applied, kills them at once and prevents the growth of fresh ones for a year and has no effect on the soil and does not require any cutting, hoeing or hoeing away of the weeds to be removed.

We manufacture the strongest line of DISINFECTANTS on the market.

P.-L. CHEMICAL CO., 507-509 W. 19th St., New York

CORRESPONDENCE SOLICITED

Use This  
Pure Plant  
Food



For Your  
Garden and  
Lawn

### A SHREDDED MANURE HUMUS COMPOST

MAGIC HUMUS is a pure plant food, made from the finest quality of manure, which has been thoroughly dried by Nature. This process gives it a rich, earthy odor so peculiar to other fertilizers, is sanitary and agreeable to handle.

MAGIC HUMUS is spread on the top of sand or hard ground as a soil, or cultivated into the ground in the garden with a hand cultivator or plow.

Ordinary commercial fertilizer contains no Humus, cannot spread its fertilizing properties and is only available to the soil in the spot where the material is drilled in.

MAGIC HUMUS spreads itself and enriches the soil all around. It comes to

the garden after a period of careful preparation, thoroughly dried by Nature. This process gives it a rich, earthy odor so peculiar to other fertilizers, is sanitary and agreeable to handle.

MAGIC HUMUS is spread on the top of sand or hard ground as a soil, or cultivated into the ground in the garden with a hand cultivator or plow.

The garden receiving a liberal application of MAGIC HUMUS Compost is permanently enriched with plant food and soil.

Seven 100 lb. Bags \$5.00  
Single Bag, 100 lbs., 90c.

f. o. b. New York or Jersey City on any railroad or steamboat line.

### HIGHGRADE MANURE COMPOST CO.

G. W. CHANDLER, Sales Agent

533 West 29th St., New York or 68 Maple Ave., Red Bank, N. J.



## IMP. SOAP SPRAY

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

LOOK FOR THE IVY LEAF TRADE MARK.

Ask your dealer or write

EASTERN CHEMICAL CO., BOSTON

Guaranteed To Kill  
Every Scale  
It Reaches.  
What?

"SCALECIDE"

money back. Give your  
larvae, eggs of insects, and fungi.  
Easily prepared, easily used. No burning, no

they drip as 3 bbls. lime sulphur 1 to 10.

Send for free booklet, "Scalecide", the

B. G. PRATT CO., Dept. 12  
50 Church St., N.Y.

### MASSACHUSETTS AGRICULTURAL COLLEGE NOTES.

Farmer's Week this year far eclipsed any previous one at this college. The Department of Floriculture is especially to be complimented on the excellent program of speakers, all men well-known to the trade. F. E. Palmer, gave a lecture on The Selection and Care of House Plants. G. H. Sinclair gave an intensely interesting talk on Minor Crops of the Florist and during the talk showed a beautiful colonial bouquet made up of the largest possible number of the less popular flowers. Robert Pyle gave a lecture on Roses at Home and Abroad, in the course of which he showed a large number of excellent slides. Maurice Fuld also talked. Professor F. A. Waugh gave an interesting lecture on Fashions in Plants. Professor P. J. Anderson handled the subject of Floricultural Diseases, and H. E. Downer the difficult subject of Plant Propagation in a most interesting and instructive manner. All the lectures were largely attended in spite of the cold weather and snow.

The classes in floriculture worked at bunching violets and making magnolia wreaths last week.

Lowell, Mass.—The Board of Trade will hold a flower show in Colonial and Middlesex Halls on April 6th and 7th, in conjunction with the Middlesex Women's Club.

# Aphine

The Insecticide that  
kills plant Lice  
of many species.

The Recognized Standard Insecticide.  
A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$1.50.

### NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

Quart, \$1.50; Gallon, \$4.50.

Until further notice shipments on our products FUNGINE, VERMINE and SCALINE will be subject to conditions of the chemical market.

Prompt shipments can be guaranteed on APHINE and NIKOTIANA.

Aphine Manufacturing Co.  
MADISON, N. J.



Unequalled for Greenhouse and  
Landscape Fertilizing

THE PULVERIZED MANURE CO.

31 Union Stock Yards, Chicago



### NIKOTEEN

For Spraying  
APHIS PUNK  
For Fumigating

Ask Your Dealer For It.  
NICOTINE MPG. CO.  
ST. LOUIS

### TOBACCO INSECTICIDES

	100 lb. Bag	1000 lb. Lot	2000 lb. Lot
Plantlife Insecticide for Dusting	\$2.50	\$22.50	\$40.00
Plantlife Fumigating Tobacco	3.00	25.00	50.00
Very Strong Tobacco Dust	2.50	22.50	40.00

THE PLANTLIFE CO., INC.  
417 East 19th Street New York, N. Y.



## The Truth Shown Up About Raw and Prepared Humus

**T**HERE are a lot of people being stung on humus. Being stung just because they seem to think all humus is practically alike. Or if there is any difference, it is only the difference in price.

They apparently totally ignore the fact that most humus in its unprepared state, just as dug from its watery bed, is generally injuriously acid. They lose sight of the fact that any humus that is sold from a dry sample and delivered wet, is a mighty expensive way to buy water.

They seem altogether to fail to grasp the fact

that *raw humus* has absolutely no plant foods added to make it a balanced fertilizer.

They ignore totally, the fact that it takes four tons of our raw humus to make one ton of concentrated Alphano Humus, that has first been sun-dried and then further dried by expensive mechanical methods until 75 per cent. of the moisture is driven out.

They forget that humus that is sold from a dry sample and then delivered in lumpy, chunky, water-logged shape, contains just *one-quarter* the plant foods that a dry analysis shows.

## Come To Our Exhibit At The New York Show

and let us tell you all the facts and give you all the figures about this important humus question.

Protect yourself against water at humus prices. Or buying humus that is low in plant foods and liable to be highly injurious because of its acidity.

### PRICES

Our sun-dried, composted, acid-free, raw Alphano Humus, we will sell to you for \$4 a ton, by the carload.

Our prepared Alphano Humus, with 75 per cent.

of the water driven out, abundantly enriched with potash, nitrogen, phosphate and lime; and then inoculated with billions of nitrogen-gathering bacteria, we will sell to you for

**\$8 a ton by the carload in bulk**

**10 a ton by the carload in bags**

**12 a ton for less than a carload in bags.**

**5-100 lb. Bags for \$5**

**F. O. B. Alphano, N. J.**

*Send for our New Alphano Book*

## Alphano Humus Co.

ESTABLISHED 1905

**17-R Battery Place**

**New York**

Est. 1765

Pot Makers for a  
Century and a Half

# HEWS STRONG RED POROUS POTS

Inc. 1904

World's Largest  
Manufacturers

Standard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.  
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.

Write for Catalogue  
and Discounts

A. H. HEWS &amp; CO., Inc., Cambridge, Mass.

Warehouses:  
CAMBRIDGE, MASS.  
NEW YORK, N. Y.

## DREER'S "Riverton Special" Plant Tub



No.	Diam.	Ha.	Dog.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa

## AN EFFICIENT DORMANT SPRAY.

The San Jose Scale is no longer dreaded by those who do careful spraying with any of the several standard spray mixtures, although some give better results than others with a minimum of labor, and labor is the greatest expense in the spraying game. For this reason, the most desirable spray is the one that will accomplish the most in one operation.

You spray with—say Lime-Sulfur. If the work is thoroughly done and no shirking by the men, you can hold the San Jose Scale and Oyster Shell Scale in check. But there are other troubles equally serious that are not controlled by Lime-Sulfur or any combination of Lime-Sulfur, such as Aphid, Bud Moth, Fruit Tree Leaf Roller, etc., and even the most thorough summer spraying with combinations of Arsenate of Lead and Nicotine will not save the fruit from injury.

There are a number of very serious fungous troubles that are found on the trees in their dormant state that Lime-Sulfur might control if it had the proper powers of penetration, but unfortunately it cannot penetrate into the diseased tissues of such troubles as collar rot on apple trees, apple canker (Sphaeropsis Malorum), and the brown rot spores on peach trees. It has been demonstrated that all of these other insects and diseases may be controlled by one dormant spray; with a miscible oil known as "Scalecide." And the manufacturers claim that there are indications of a still wider range of usefulness for this spray, for in many orchards where a thorough spraying has been done for years with "Scalecide," other forms of canker and blight have almost entirely disappeared, but conclusive data has not yet been obtained; but proven fields of its activity together with the apparent stimulating effect on tree growth, go far beyond anything that was ever promised or expected of it.

The B. G. Pratt Company, 50 Church

street, New York City, have prepared an interesting booklet, "Proof of the Pudding." They will send this helpful book free on request and we suggest that our readers send request accordingly.

## GREENHOUSES BUILDING OR CON- TEMPLATED.

Sheffield, Mass.—Wm. Graham, one house.

Natick, Mass.—Alphonse Grasse, house 20x75.

Riverton, N. J.—F. S. Groves, King house 12x25.

Danville, Ill.—Peter Britz, rose house 40x150.

Meadville, Pa.—H. J. Krueger, two 150 ft. houses.

Hillsdale, N. Y.—Chatham Floral Co., one house.

Indianapolis, Ind.—Garfield Park, range of houses.

Villa Nova, Pa.—Lewis R. Page, King house 21x50.

Jericho, N. Y.—Mrs. Barger Wallach, King house 15x50.

Waban, Mass.—Wheeler & Co., garden house 25x60.

Garrettsford, Pa.—James Verner, King house 42x183.

Avondale, Pa.—Pauline Saldutti, King house 28x100.

Malden, Mass.—E. D. Kaulback, two houses, each 30 by 135.

Pittsburgh, Pa.—McCallum Company, two houses each 40x200.

Chicopee, Mass.—August Dietrick, 369 Chicopee street, one house.

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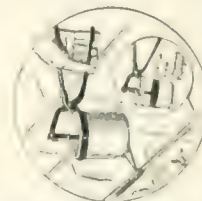
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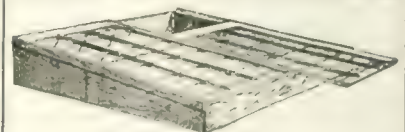


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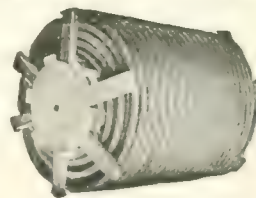
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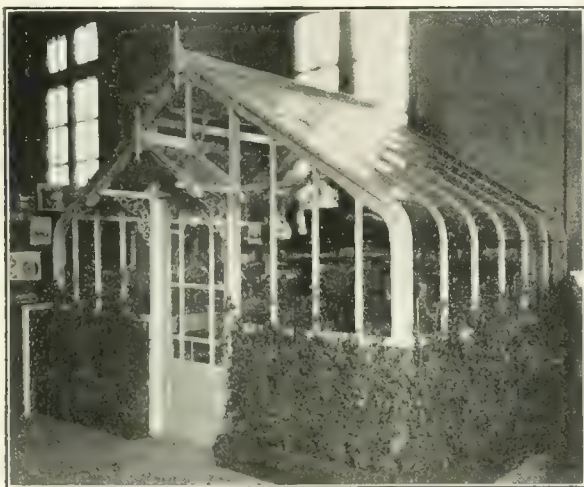
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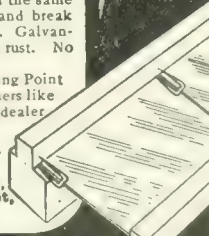
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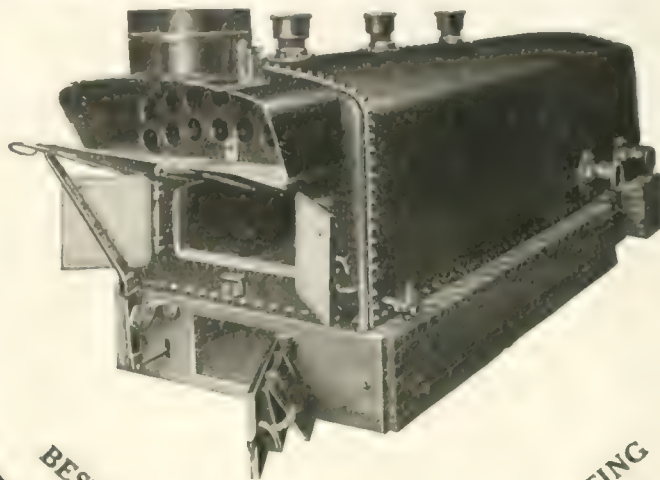
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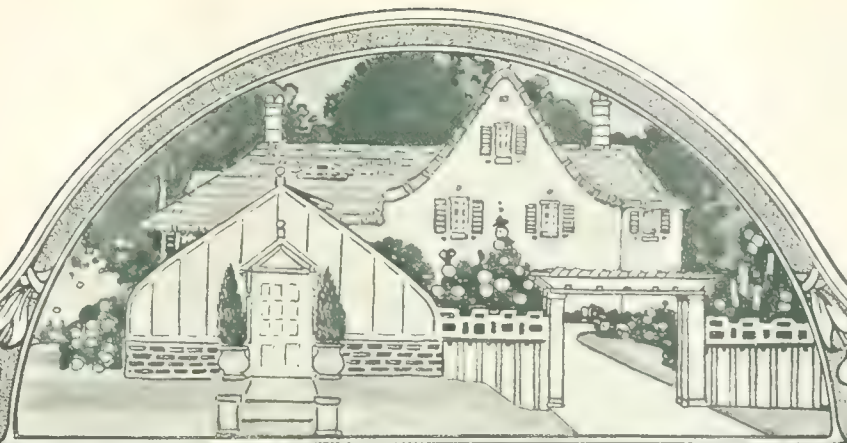
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FLOWER SHOW  
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No. 2

# HORTICULTURE

Vol. XXIII

APRIL 8, 1916

No. 15



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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—Pope.

## Crotons

Cuttings will root readily in a pretty warm propagating bed. When they are rooted pot up and give them some bottom heat in connection with hot-house conditions. Even after their second shift into three-inch pots the combination of bottom heat and fairly warm quarters is by no means to be despised. Great care will be needed to equalize as far as possible the temperature inside. During sunshine it can run up to 78 degrees and at night stay at or about 68 degrees. Spray on all good days and damp down the house two or three times a day for they like a superabundance of moisture in the air all the time.

## Dieffenbachias

These plants make very fine foliage subjects for the florist. As the season advances the spring and the humidity of the house should be increased. Keep them as near the glass as possible. They will need some shade but don't overdo it. These plants want a good brisk heat and will never attain their proper size and appearance without the full amount. Now that spring is here, increase the temperature up to 65 to 70 degrees during the night with from 10 to 15 degrees more during the day. Keep the atmosphere moist by damping down the walks two or three times a day and give them a good syringing on all bright days.

## Easter Preparations

The show house display should be re-arranged every day during the two weeks preceding Easter and every unsightly flower or plant removed. When a plant is sold remove it to a cool shed, tag it and put another in its place. Have a good lot of madeup plants in pans, baskets, etc. Much of the advice extended in previous paragraphs may yet be followed to good purpose. Any lilies more backward but showing rapidly swelling buds and lengthening stem will need a high temperature and regular sprinkling to bring them in line with the rest. A short week of continued forcing at 65 to 70 degrees will bring these along. Lilies already showing opening flowers and white buds are ready to go to a cool shady

place where they will carry through in perfect condition until the Easter trade begins.

## Gloxinias

Gloxinias that were started in flats will now begin to make considerable roots and when the young growth has made one or two inches across they should be potted before they get crowded. A mixture of equal parts of loam, cow manure and leaf mold, with some fine charcoal and sand, is what they like. 5 or 6-inch pots are sufficiently large if the tubers are of ordinary size. Drain the pots well and press the soil moderately firm, leaving the tops of the tubers just level with the surface. Put them in heat immediately in a temperature of about 60 degrees at night. Do not spray the leaves, and shade from the direct sunshine. As soon as they begin to move, stand the plants near the glass.

## Palms from Seed

It is a good plan where there is room to spare to sow some palm seed every year. Always make it a point to get fresh seed as they are imported from their different sources and plant from time to time as received. Palm seed germinates very irregularly. While some will come in two months time, there are others that will not show for many months and for that reason I prefer pans to sow in as flats are liable to rot before they are large enough to pot off. Fill the pans with a mixture of equal parts of loam, leaf mold and sand and provide free drainage for each pan. The seed should be covered twice their depth and pressed down firm to help retain the moisture. The pans should be covered with moss. Place where they can have a bottom heat of 85 to 90 degrees and with an atmospheric temperature of 70 to 75 degrees.

## Starting Cobaea scandens

For a fast growing climber, there is nothing better than *Cobaea scandens*. Sow the seed in pans in a light and sandy soil. Place the seed edgewise and deep enough so the edge of the seed is just even with the surface of the soil. When large enough they should be potted into 2½-inch pots and staked as they may require.

Next Week:—*Asparagus Plumosus*; *Callas*; *Cocos Weddelliana*; *Ferns*; 1917 *Ramblers*; *Seedlings*.

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# HORTICULTURE

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...to have been done in a more satisfactory and books, or recommended by friends?" Possibly the pro-  
 portion of our subscribers is not so small as is supposed  
 that many buyers of garden material know what they  
 want without reference to catalogue illustrations. But,  
 on the other hand, there is also a large proportion of  
 would-be buyers who are not so well-informed and who  
 are undoubtedly influenced largely by the descriptions  
 and pictures which they find in the catalogues of nur-  
 serymen and seedsmen. Of this class there is a new crop  
 every year and it is surely good business to cater to  
 them and to every buyer who tries to select their ap-  
 petites for beautiful garden material. All will agree  
 that good pictures of cheap quality and art and all  
 exaggerations in illustrations or text should have no  
 place in the publications of an otherwise good house.

## Rose Society progress

In that very interesting book, "How to Grow Roses," we read that "Ten years ago the American Rose Society was in no very prosperous state. Amateurs had almost no part in it. Little attention was given to out-door roses or to rose gardens. All that is changing." The change referred to, such as it is, will meet with universal approval. But it was much better that the Rose Society existed as it did ten years ago than if it had not existed at all. We assume that the author above quoted did not intend to cast any reflections on the efforts of the commercial men who at that critical time assumed the responsibility of carrying the struggling organization through its days and years of adversity—a condition which was due in a large measure to the indifference of the so-called amateur element of those days, of which much had been expected by the founders but which proved a broken reed. Had it not been for the commercial rose lovers who, following Roosevelt's precept, "Do what you can with what you have where you are," there would probably have been a defunct rose society. In the meantime the Society has been doing pioneer work and conditions are different now from what they were ten years ago. President Pen-nock in his address before the American Rose Society, which appears in full in this paper, tells of one eminent amateur rosarian who asserted that he had left the Rose Society "because it offered the amateur so little." That is scarcely the spirit which builds up useful and prosperous organizations. Years ago when the writer was an official of the Society of American Florists the question he was most frequently called upon to answer was "What use is the S. A. F. to me?" The answer was "Isn't that a selfish attitude to take? Better ask 'What can I do for the S. A. F.?' " A spring cannot rise higher than its source. If the American Rose Society is to attain the desired prestige and influence and reach a position worthy of the name it bears the support of all interests is indispensable. The British National Rose Society is frequently held up before us as an example of what a rose society should be. There is no good reason why our Society should not be equally prosperous. This cannot be accomplished in a day but the outlook certainly is more promising now than ever before. Let us minimize as far as possible class distinctions. All love the rose and should be eager to assist.

A correspondent raises the question, "Who are the members of purchasers, particularly of nursery stock, who place substantial orders depend to any considerable extent on elaborate catalog descriptions and illustrations of standard stock when placing their orders? Are they not more generally guided by what they have

## ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur Ruzicka*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

### Earth Worms in the Benches

In the spring of the year there may be benches that do not dry out as they should and the result is that the plants do not thrive. The cause of this can generally be traced to earthworms in the soil in such large numbers that the soil is full of them, and their plying through it makes it sticky, stopping the pores, excluding the air and preventing proper drainage. To rid the soil of these pests a dose of fresh air-slacked lime will have to be applied and watered in at once. Or to save a good deal of labor and time, a barrel of lime can be dumped into the manure tank and well mixed and then applied same as liquid manure. After this the benches should be let go until they are fairly dry and then watered again with clean water, or following this with liquid. As long as the number of earth worms is not very large they will not do any harm; in fact, many growers claim them to be good for the plants as they take the manure down into the soil. Some will remain after the lime, as it is impossible to get them all the first time, but their number will be reduced so that they will not do any harm. To test the soil for worms lay a lump of partly decayed cow manure on the bench here and there and if there are very many worms in the soil they will quickly collect in this manure, so that it will be alive with them.

### Shading the Cross Houses

Cross houses devoted to greens will soon have to be shaded, especially those on the east side which are exposed to the sun from early in the morning. There is nothing better than a little whiting and kerosene, with a drop of drier added. This will not injure the paint and will last much better than lime. A little green paint can be used instead of the whiting, and this will make the shading green and much more soothing to the eyes, at the same time making the houses a little darker than the white shading. To remove this in the fall, a little caustic soda put into water and applied carefully with a brush on a rainy day will take off all the shading. If applied carefully it will not come into contact with the sash bars, so that there will not be any danger of taking the paint off these too.

### Disbudding.

As the plants will be making a rapid growth, following the feeding which they should be getting, there will be more disbudding now than ever. The days will be

much warmer and the buds will get smaller even if not burdened with several side buds. Go over the plants regularly and carefully and see that all these side buds are removed. It will also be well to see that some growth remains on every plant, and if while disbudding a plant should be found with only a short bud on it, take this bud out so that the plant will have better chance with the others. It may also pay to take the top out of the bottom shoot while it is only about ten inches high, for if the shoot is a strong one three top eyes will break and there will be three nice roses on the one stem in almost the same time that it would take to grow the one. Then the growth following after the three roses are cut off will be greater than if the bottom shoot were allowed to grow to maturity. There will be a great many of these bottom shoots from now on, and if they are pinched out on time and not too high the roses cut will not only be better quality but there will be more of them.

### The Young Plants.

It will be necessary to look over these carefully every day to make sure that they are not coming to any harm, for it is these little plants that will make or break the place the coming season. See that all the plants in the small pots are repotted on time so that they will not get pot bound and thus receive a check, not only to the roots but to their growth as well. The plants that were shifted into larger pots early in February may need more space at this time, and they should get it if they are to stay healthy. In giving more space to four-inch stock it is best to sink the lower half of the pot into the ashes and if there is not enough ashes in the bench to do this, apply some more. If the pots are not plunged it will be very hard to keep them wet and the plants will suffer. Even if it may not be possible to give more space it may be possible to go over them and clean them up a bit, taking out any weeds that may have started and removing any green scum that may have formed, with a wooden or steel scraper. When setting the plants back on the bench see that all the taller ones are set to the rear and all the smaller and weaker plants to the front of the benches. I have frequently explained why this should be done and yet there are many growers who lose a good many plants because this does not receive attention. Set the pots firmly on the ashes or sand and make sure they are level, and by all means keep them in straight rows. The work will look much better when it is done and it will be better for the plants.

### THE LIFE OF A CATTLEYA.

Editor HORTICULTURE:

Would like to know from your orchid experts how long cattleyas may be kept in a paying condition with average ordinary good care, and what per cent. loss annually can be expected that has to be replaced in order to keep up the stock.

I am well aware that one can do a great deal better than another, but merely want to get at a fair basis.

New Jersey.

A. J. P.

In reply to Mr. Paul's letter would say that cattleyas can be kept for

eight to ten years in a paying condition with ordinary care. Some will do better and others not quite so well but this is about the average. The annual loss in plants after the first five years would average about 20 per cent for the next five years.

Yours very truly,

F. J. DOLANSKY.

Lynn, Mass.

At the regular meeting of the New Jersey Floricultural Society, Orange, N. J., on Monday evening, March 20, it was voted that a Rose night be held in June, prizes to be offered for the best collection of outdoor roses. Awards for the evening were as follows: Max Schneider, violets, 25 points; Begonia Cinnamini, 75 points; carnations, 90 points; Golden Spur narcissus, 85 points. Emil Panuska, cultural certificate for Scilla Clusii.

# NATIONAL FLOWER SHOW

No one familiar with horticultural matters during recent years could visit the Fourth National Flower Show without being strongly impressed with the fact that in the brief time since the series of National Shows was inaugurated by the Society of American Florists the Flower Show idea has developed amazingly as a vital force in horticultural progress and has already become a landmark in the horticultural history of our times. Its eventual effect on the time-honored mid-summer convention cannot be foreseen but many wise heads have come to the conclusion that ultimately the spring flower show will entirely supersede the August meeting. The astounding results of the Philadelphia affair have nonplussed even the shrewdest guessers and it is not out of the way to say that the outcome of the series of flower shows which have now been held indicates that the S. A. F. can successfully put through an annual exhibition wherever it chooses to go. Exact figures of the attendance and the cash receipts up to closing time Sunday night have not yet reached us but suffice it to say that all records were broken in both respects and that a generous surplus will be realized after all accounts are settled, and this, too, notwithstanding the grievous disappointment in the Sunday closing edict. The trade exhibitors, who are so important a factor in assuring a safe financial result, were pleased with the business done, so far as we have ascertained, the trade attendance exceeding numerically as well as in extent of territory represented, some of the recent August conventions. The Sunday difficulty was overcome, in part, on the second Sunday by a plan put into effect by the Executive Board where-

by associated memberships were sold to the public at 25 cents each at various points on Saturday and badges were issued accordingly which were good for Sunday admission. Nearly 10,000 temporary members were thus enrolled. By 1 P. M. Sunday, most of the badge holders had seen the show and then word was sent broadcast that the doors had been thrown open to the general public and that everybody could see the display free of charge until 6 P. M. An hour after George Asmus, chairman of the National Flower Show committee, had telephoned this announcement to the newspaper information bureaus and hotels. Broad street and Allegheny avenue were jammed with eager thousands on their way to the hall.

During the week 80 policemen had been on duty daily to handle the crowds, but on Sunday the number was raised to 100. To avoid congestion the entire display was quickly rearranged and the main aisles widened by at least six feet. This had hardly been done before the advance guard of the free list arrived, and for nearly five hours the crowds surged through the building like a flooded river. The extra policemen, with 15 detectives and a dozen firemen, were scattered about through the vast exhibit to hold the throngs in check, but there was no disorder. So ended the great exhibition.

## CLOSING PRIZE AWARDS.

Our account of the exhibits and awards, previously published, was complete up to Wednesday night, March 29. On Thursday some big rose competitions were scheduled. The three prizes aggregating \$500 for the best display of cut roses covering 200 sq. ft. by commercial growers brought out

some superb groups. A. N. Pierson, Inc., won 1st, his flowers being arranged by G. E. M. Stumpp. The display by Joseph Heacock Co. arranged by Habermehl came in 2nd, and that by F. R. Pierson Company, 3rd. There were some artful rose decorations by retailers, F. P. Vollers taking 1st and Forrest Flower Shop 2nd for corsage bouquet; Forrest Flower Shop 1st and Vollers 2nd for bridal bouquet, Chas. Henry Fox 1st and London Flower Shop 2nd for basket of roses, Forrest Flower Shop 1st and London Flower Shop 2nd for table decoration, and E. H. Slattery of Buffalo 1st for mantel decoration.

On Friday the carnation men had their second innings. Wm. Kleinheinz was 1st and Miss Ann Thomson 2nd on vase of blooms by private growers, Cottage Gardens Co. 1st on vase of 300 blooms and Strafford Flower Farm 1st, \$200, for best display of carnation blooms not to exceed 1500 blooms. In the retailers' carnation classes 1st, 2nd and 3rd for table decorations were won by Forrest Flower Shop, Gude Bros. Co. and T. P. Vollers, respectively, on basket arrangements to London Flower Shop, T. P. Vollers and Forrest Flower Shop.

Wm. Tricker won the Foley Mfg. Co.'s silver cup for 100 square feet of aquatic garden and one blue ribbon for display of semi-aquatic plants.

Dreer & Co. won two blue ribbons for lace plant (*Ouvirandra fenestralis*), and small aquatic garden.

## THE LECTURES.

The lectures were very well attended, those toward the close of the week attracting a crowd which taxed the seating capacity of the room. The lecturers and their subjects were as follows:

Thursday, March 30, 3.30 P. M., Richard Vincent, Jr.—Dahlias, Illustrated. 8.00 P. M., J. Otto Thilow—Flowers from Snow to Snow, Illustrated. Under the auspices of the Garden Clubs of America.

Friday, March 31, 3.30 P. M., Miss Elizabeth L. Lee—School of Horticulture for Women, Illustrated. 8.00 P. M., J. Horace McFarland—Civics for Home and Municipality, Illustrated.

Saturday, April 1, 3.30 P. M., E. I. Wilde—Bulbs for Summer Bloom, Illustrated. 8.00 P. M., Arthur Cowee—Gladioli, Illustrated.

## MISCELLANEOUS MENTION.

The following communication was received:

Philadelphia, Penna., March 30, 1916.  
National Flower Show Committee (Now in Convention), Philadelphia: Mr. George Asmus, Chairman.

Dear Sir: Cleveland desires the honor of having the next and Fifth National Flower Show in the Spring of 1918.

The central location of our city, making it of easy access to the East, West, North and South, does not have to be argued. It is also within a minimum of express and freight rates for the exhibitors.

We have an organization that is capable



FIGURE 1. FLOWERS ARRANGED FOR THE FLOWERS FROM SNOW TO SNOW, ILLUSTRATED, BY J. OTTO THILOW.

of handling the undertaking and making good. For reference: Cleveland Flower Show—1915.

Whatever financial backing is necessary will be forthcoming from our interested organizations in Cleveland.

We ask for a favorable decision during the present week, if possible.

Thanking you for considering the matter at your earliest convenience, I remain,

Yours truly,

H. P. KNOBLE, Chairman.

Committee on Invitation: Cleveland Florists' Club, Ohio Horticultural Society, Garden Club of Cleveland.

The exhibition of fish proved one of the delightful and surprising features to the thousands of visitors. The specimens of the finny tribe were entered through the Aquarium Society of Philadelphia, the oldest organization of the kind in the United States. Franklin Barrett, with entries representing many divisions of the fish family, led all contestants. He was awarded 35 cups and 22 ribbons. Mr. Barrett won the prize for having the four best lion heads on exhibition and also carried off the grand prize for the largest and best collection. In the lion head class he had scaled and scaleless entries.

Scaled and scaleless nymphs, of the telescope, ribbon-tailed and veil-tailed varieties, proved consistent winners for Mr. Barrett. Harry Peters and William Peck carried off four cups each for their entries. Charles E. Visel, of Brooklyn, N. Y., was awarded six cups for his collection of Japanese varieties. William T. Innes, John Andsley and Dr. Herman Burgin were other winners. The latter was awarded a cup for the best 24-inch household aquarium on exhibition.

Three thousand of the carnations shown earlier in the week went in the hands of visitors who desired to purchase the flowers in order to help boost the fund to be turned over to Miss Anna Jarvis, founder of Mother's Day. The flowers were readily disposed of at the tea garden, and over \$300 was raised in this way. Of the other cut flowers, the great majority were distributed among the hospitals of the city after the show closed Sunday night.

A mistake due to obscure copy got into our report on the carnation awards for Tuesday, March 28. In the class for best vase in the 100-classes, the silver medal was won by A. A. Pembroke with Pink Sensation and the bronze medal went to Cottage Gardens for Crystal White, thus reversing the order as first reported.

The magnificent group of acacias exhibited by Thomas Roland, of Nahant, Mass., numbering 118 plants, was sold to Joseph E. Widener through his head gardener, Wm. Kleinheinz, and their home will be in the Lynnewood Hall collection at Ogontz, Pa.

Silver medals were awarded to H. A. Dreer for the two *Nymphae* novelties we described last week, also for *Peteris Rivertoniana*, and the same for an improved form of *Cyrtomium Rochfordianum*.

A special gold medal was awarded to R. & J. Farquhar & Co., of Boston, for their group of the new hardy *Azalea Kaempferi*.

## AMERICAN DAHLIA SOCIETY

Address by President R. Vincent, Jr., at National Flower Show, Philadelphia.

After some preliminary remarks in reference to the organization of the Dahlia Society and its work thus far Mr. Vincent proceeded to give some cultural advice on dahlia growing, with stereopticon slides, as follows:

"The most suitable soil for growing Dahlias is a sandy loam. Heavy soils can be lightened by the use of coal ashes or sand, anything that will help to make the soil porous. Whenever possible the land for dahlias ought to be plowed or spaded up the fall previous, the action of freezing helping to make the soil more pliable.

### Fertilizer or Manure.

We ourselves use very little manure, preferring bone meal with the addition of a little potash. If the ground is spaded in the fall or early winter the bone could well be mixed with the soil at that time. In using manure we would rather use it as a mulch. Put it on any time after the plants or roots are set. Any kind of material used for mulch around the plants will retain moisture and save watering and if watered will keep the soil from baking. By using bone we get a more stocky growth and more flowers,—at least this is our experience.

### Planting.

We find that the June-planted dahlias invariably give us the finest or exhibition blooms. The early plantings have the extreme hot weather to contend with, very often causing an indifferent growth; the stalks get hard and the plant forms a mass of small weak limbs with poor flowers if any, and more subject to disease and insect pests. This condition can only be remedied by a vigorous use of the knife, cutting back hard so as to cause the plant to make a new and strong growth.

The above troubles are often ours, but there are some years when there are exceptions. You may ask then why do we have these troubles. My advice is "do as I say not as I do," as it

generally takes us six weeks to plant our crop, even by using machinery in planting.

### Insect Pests.

The dahlia is not exempt from insect pests any more than other flowers; and the growers will find that a few sprayings, especially during a drought, are an advantage. Tobacco solution, soap, etc.,—almost any insecticide will answer; except that for the black aster bug, which feeds on the flowers alone, hand picking, if not too numerous, is the best remedy. They can easily be seen as they very seldom touch the dark colored flowers but always white or pink.

### Staking

To have the dahlia grow and show up to the best advantage they ought to be tied up to a strong stake, and to get large flowers thin out when too many limbs start out from the stool or main stalk, also disbud (as per figures shown upon the screen.)"

Mr. Vincent then gave a list of varieties which his experience led him to recommend as the best in their classes, as follows:

Six Best Peony-Flowered—Bertha von Suttner, Geisha, Germania, Gloire de Baarn, Queen Wilhelmina, Queen Emma.

Six Best Show A. D. Liveni, Chas. Lanier, Ethel, Maule, Souve. Mme. Moreau, Yellow Duke, Zebra.

Nine Best Cactus—Countess of Lonsdale, Golden Gate, J. H. Jackson, Kalif, Marguerite Bouchon, Rene Cayeaux, Sweetbriar, Wodan, Wolfgang von Goethe.

Six Best Pompon—Alewine, Aille Mourey, Indian Chief, Little Beauty, Little May, Snowclan.

Six Best Decorative—Delice, Hortulanus Flet, Jack Rose, Jean Charmant, Le Grand Manitou, Papa Charmant.

Six Single Century—Ami Barillet, Fringed 20th Century, Rose Pink Century, Sensation, Setting Sun, White Century.

The Gardeners' and Florists' Club of Boston will hold a Field Day with the William W. Edgar Company, Waverley, Mass., on Saturday, April 8, 1916. The display of Easter plants here is always a notable one.



LAWN DECORATION IN FRONT OF CONVENTION HALL, BY H. F. MITCHELL CO. AT NATIONAL FLOWER SHOW.

# INTERNATIONAL FLOWER SHOW

## Grand Central Palace, New York

The first spring exhibition in the Grand Central Palace, which opened on Wednesday afternoon, April 6, is the most beautiful and artistically arranged flower show ever been our pleasure to see. From Day one, the interest in the opening day led us to see more than a very brief comment on the various displays or other than a very incomplete list of the winners in the first day's judging. The great interest centered about the Rose Gardens and the groups of plants arranged for effect by the private gardeners. All previous rosegarden display in this country pale in comparison with the winner in this great competition. 1st prize was won by F. R. Pierson Co., Tarrytown, N. Y., whose exhibit was a triumph of simplicity, color harmony and perfect finish. Standard roses were used with splendid effect in this exhibit. A. N. Pierson's entry in this class, which was awarded 2nd prize was a very dainty arrangement enclosed with a rustic railing. Bobbink & Atkins' entry was quite original, the garden being enclosed with a low brick wall with stone posts and pedestals. Julius Roehrs Co. also showed originality in their rose garden entry. There were five entries for the great class of flowering plants and bulbs by private gardeners. As the prize awards show, Adolph Lewishohn, gard. J. Canning, was the winner of 1st but it took the judges a very long time with added referees to decide. A more explicit statement in the schedule as to what is intended by "arrangement" is needed. The winning group was a perfect galaxy, full of sparkle and fragrance. *Buddleia asiatica* made a very fine effect here. F. E. Lewis was the winner of the second prize and W. B. Thompson, 3rd. Special mention was awarded to P. W. Popp, gard. for Mrs. H. Darlington, in this class.

The rockery gardens were also a great attraction. A. N. Pierson's entry, with primulas, heucheras, daphnes, etc., was a beautiful conception. Bobbink & Atkins' rock garden was also a gem, rich in alpine plants, irises, etc. Julius Roehrs Co. was another competitor in this class, putting up a very extensive arrangement.

Among the cut flower displays a vase of Farquhar's Giant antirrhinums shown by J. B. Urquhart of Newport was a centre of wondering admiration. Most of the cut flowers were displayed on the second floor. Here were also schizanthus, cyclamen, primula, tulip, hyacinth and daffodil groups. In tulips we noticed particularly the Van Wavren novelty De Wet orange scarlet and Narcissus Van Wavren Giant and Olympia.

In the fern classes the specimen *Adiantum Farleyense* by J. D. Urquhart of Newport was the gem.

The orchid displays were unprecedentedly fine. Julius Roehrs Co., Clement Moore, Lager & Hurrell, and others, showed glorious collections arranged with consummate taste.

We have only touched upon a few of the outstanding features of this unprecedented flower show. Next week we shall try to do it justice.

The trade section is, as usual, well filled with exhibits, some of the booths being very spacious. These, too, we shall give in detail in our next issue.

### PRIZE AWARDS.

#### Plants in Flower—Private Growers.

*Flowering plants and bulbs covering 200 sq. ft. arranged for effect:* 1st, Adolph Lewishohn; 2d, F. E. Lewis; 3d, W. B. Thompson; special mention, H. Darlington Mamaroneck, N. Y., gard. P. W. Popp.

*Arrangement:* 1st, Mrs. F. A. Constable; 2d, William Kleinheinz, Ogontz, Pa. Bay trees; 2d, Mrs. Pauline Boelger, Riverdale-on-Hudson, N. Y.

*Crotons, 12 plants:* 1st, W. B. Thompson; 2d, Mrs. J. Hood Wright, New York City, gard. C. W. Weber.

*Dracaenas, 3 plants:* 1st, W. B. Thompson; 2d, B. H. Borden, Oceanic, N. J., gard. F. C. Honeyman.

*Kentia Forsteriana:* 1st, Wm. Ziegler, Jr., Newport, C. I.; 2d, A. Bueckler, 2d, Wm. Kleinheinz.

*Kentia Belmoreana:* 1st, Wm. Ziegler, Jr.; 2d, Mrs. J. Hood Wright.

*Palm, other than above:* 1st, Mrs. F. A. Constable; 2d, Wm. Kleinheinz.

*Six foliage plants:* 1st, W. B. Thompson; 2d, D. G. Reid.

*Foliage plant, specimen:* 1st, W. B. Thompson; 2d, D. G. Reid.

*Group of foliage plants:* 100 sq. ft.: 1st, W. B. Thompson.

*Cineraria, hybrid, 6 plants:* 1st, C. K. G. Billings, Oyster Bay, N. Y., gard. Jas. Bell; 2d, A. N. Pierson, Tarrytown, N. Y., Supl. J. Canning.

*Calceolaria, 12 plants:* 2d, G. D. Barron, Rye, N. Y., Supt. Jas. Linane.

*Chrysanthemum, 6 plants:* 1st, Adolph Lewishohn; 2d, W. B. Thompson, Yonkers, N. Y., gard. W. F. Johnston.

*Schizanthus:* 1st, C. K. G. Billings; 2d, Ralph T. Pulitzer, Manhasset, N. Y., gard. F. Hitchman.

*Astilbe:* 1st, Mrs. J. Murray Mitchell, Tuxedo Park, N. Y.; 2d, Chas. Wason, 2d, D. G. Reid.

*Wistaria:* 1st, F. E. Lewis, Ridgefield, Ct., gard. J. W. Smith; 2d, C. K. G. Billings.

*Any other specimen flowering plant:* 1st, J. F. Lewis, 2d, Louis Roepke, Hagerstown, N. J.

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*Palms and Foliage Plants—Private Growers.*

*Areca lutescens:* 1st, Mrs. F. A. Constable; 2d, William Kleinheinz, Ogontz, Pa. Bay trees; 2d, Mrs. Pauline Boelger, Riverdale-on-Hudson, N. Y.

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BENORA, BRITISH TRIUMPH, EN-  
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LADY NORTHCLIFF, MATCHLESS,  
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JULIUS ROEHRS CO.

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We grow and sell nothing but ORCHIDS.  
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## ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS, PHILADELPHIA, PA.

Display of bulbs, etc., arranged as Dutch bulb garden, covering 500 sq. ft. 1st, John Schepers Co., New York.

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Group of plants in variety, covering 20 sq. ft.: 1st, Julius Roehrs Co.  
Group of plants in variety, covering 20 sq. ft.: 1st, L. G. & H. H. Summit, N. J.

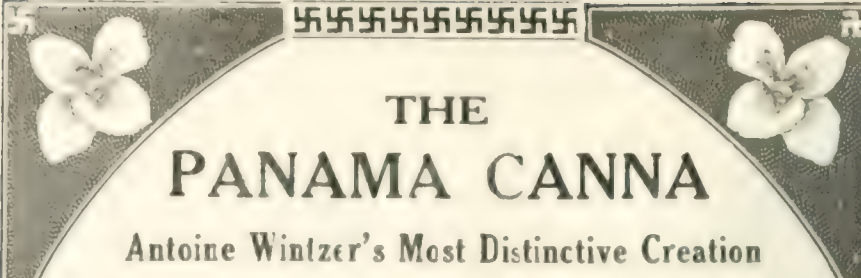
**Roses in Pots and Tubs—Commercial Growers.**  
Display arranged as rose garden and of all classes, covering 500 sq. ft.: 1st, F. R. Pierson Co., \$500; 2d, A. N. Pierson, Inc., \$300.  
Climbing, red, specimen: 1st, F. R. Pierson Co.; 2d, A. N. Pierson, Inc.  
Climbing, specimen, five classes: 1st, A. N. Pierson, Inc.

**Miscellaneous Cut Flowers—Commercial Growers.**  
Arrangement, pink: 1st, Flora Gardens, North Wales, Pa.; 2d, P. C. Richardson, Needham, Mass.  
Mignonette: 1st, August Sander, Newark, N. Y.  
Stocks, pink: 1st, A. Zubro & Sons, Whitestone, N. Y.

#### THE KEWITE MEETING.

The Kew graduates held a very enthusiastic meeting and banquet at Shanley's, New York, about 25 Kew men with their wives being present. A permanent organization was effected and the annual meeting will be held in New York each year at the time of the International Show. Montague Free was elected president, S. R. Candler, secretary and treasurer; vice-president Mr. McPherson, reputed to be the oldest Kew man in America. There were short speeches and songs, the singing by Mrs. Blanche being particularly enjoyed.

The Newport (R. I.) Horticultural Society listened to a very fine lecture on "How Plants Feed," by Prof. B. L. Hartwell, of the Kingston experiment station, at its meeting on Tuesday evening, March 28. President Urquhart exhibited some splendid lilies, for which a silver medal was awarded. At the next meeting, V. A. Vanicek will read a paper on "The Propagation of Shrubs."



## THE PANAMA CANNA

### Antoine Wintzer's Most Distinctive Creation

**ANTOINE WINTZER** has bred the Panama Canna to suit the requirements of gardeners. It is a new and distinct type of Canna, with a long, narrow, lanceolate leaf, and a very large, double flower, with petals that are most round and as broad as they are long, and with an enormous spread of individual blossoms.

The Panama Canna Wintzer has bred a type that makes it superior in his variety of panache-making. He counts it among the most worthy of his Canna offspring.

The Panama is uniquely different from other Cannas. It is more strikingly beautiful, more thoroughly charming in its gorgeous colorings. The Panama is of a doubly distinct and individual type, a type that is destined to be popular with Canna lovers. The color

of the flower is a most distinctive rich orange red, with a well marked edge of bright golden yellow. The blossoms are very large, with petals that are most round and as broad as they are long, and with an enormous spread of individual blossoms.

No one who has seen this splendid Canna in bloom, be it said to wonder at the sweeping recognition it has received at the leading Horticultural prize-winning events both here in America and in Europe.

**PANAMA CANNA PRICES**

Each	12	100
\$0.25	\$2.00	\$15.00

Send your order now. Shipments will be made at your pleasure.

SEND FOR COMPLETE LIST OF ALL OUR CANNAS.

**THE CONARD & JONES CO.**  
**SWAS-TEEKA BRAND CANNAS**  
West Grove, Pa.

# Wanted

## Easter Stock Nursery Stock Bedding Plants

SEND OR BRING SAMPLES TO

## C. C. TREPEL

AT

### BLOOMINGDALE'S, Third Ave. and 59th St., New York

AFTER 2 P. M.

## Sims Hybrid Yellow Polyanthus

(Giant English Primrose)

Gold Medal awarded at Philadelphia.

This is the best selling novelty in years. They make charming pot plants for Easter and are indispensable for cutting. They bloom from December to May. Stock is limited. Strong divisions for May delivery.

Prices: 100 \$10.00, 500 \$35.00, 1000 \$50.00

## WILLIAM SIMS, CLIFTONDALE, MASS.

# TAKE ADVANTAGE OF THE Largest Auction Sales in the History of America Of Rhododendrons, Rose Bushes, Evergreens, Boxwoods, etc.

Sales start at 11 o'clock A.M. each **TUESDAY** and **FRIDAY**

## THE MacNIFF HORTICULTURAL COMPANY

52, 54 and 56 Vesey Street, NEW YORK

### EASTER PREPARATIONS AT WAVERLEY, MASS.

Every Easter lily grower knows how prone the plants are to come too short in stature, many bulbs blossoming at the height of twelve inches or even less. At the W. W. Edgar place in Waverley, Mass., where lilies are a large crop, none of these undersized plants are to be seen, bench after bench running uniform at 18 to 24 inches. Mr. Bartsch has a theory based on experience that as lilies make roots and tops at the same time it is a mistake to give the bulbs any preparatory cool treatment after potting, for the purpose of making roots. He places his bulbs in a temperature of 60 degrees at once and holds at 60 to 65 right along from start to finish. The lilies which look so fine at the present time, with abundant buds and perfect foliage from the base up, were potted after Christmas and placed immediately on a bench at 60 degrees and covered with a couple of inches of straw, which was removed when the growths had reached two or three inches. Dwarfed plants are often caused, Mr. Bartsch says, by the check given in repotting. Where the plan of starting in small pots is followed transplanting should be done while the growths are still small and the roots have not yet reached the pots and they should be kept steadily at 65 degrees without any chance to relax active growth. The French hydrangeas are a leading Easter specialty here this year. There are several thousand plants, largely Mme. Mouillere, and they are superb. For Easter they have entirely outclassed the old Otaksa, but for later use for summer decorative work Otaksa is more durable and is still without a rival. A very satisfactory novelty is Astilbe America, which, in color and habit, is well ahead of Queen Alexandra. Even since the Edgar exhibit of standard heliotropes in the Boston Convention Garden a big demand for this specialty has been developed for summer bedding use.

Extensive improvements in this noted plant growing establishment are planned for the coming season, including the erection of two or more modern plant houses, new service buildings and new residence. Thus does prosperity wait upon industry.

### ROBERT DYSART CERTIFIED PUBLIC ACCOUNTANT

Simple methods of correct accounting especially adapted for florists' use.

BOOKS BALANCED AND ADJUSTED.  
40 STATE ST. . . . . BOSTON  
Telephone Main 53.

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North Abington  
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#### SHRUBS

This New England climate produces fine sturdy shrubs. Special trade prices. By the thousands, hardy Native and Hybrid Rhododendrons—transplanted and acclimated. Let us estimate.

### LILY BULBS

#### Fall Shipment from Japan

Prices quoted F. O. B. San Francisco, Denver, Chicago, Hamilton (Ont.), or New York.

Write for quotations stating quantity, variety and size required.

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17 Murray St., New York

### OLDEST AUCTION HOUSE

#### IN THE UNITED STATES

Consignments Solicited

**Elliott Auction Co**  
42 Vesey St., New York

### REMEMBER!

If it's a Hardy Perennial or so called Old Fashion Flower worth growing, we have it in one shape and another the year round. We have the largest stock in this country, all made in America, and our prices

will average 75c. per doz., \$5.50 per 100.

Why say more here? Send for our Wholesale Price List of varieties and benefit from the opportunities this affords you. Address

**PALISADES NURSERIES, Inc.**

R. W. CLUCAS, Manager.

SPARKILL - - - N. Y.

### HILL'S EVERGREENS

BEST FOR OVER HALF A CENTURY.  
Small, medium and large sizes supplied.  
Price list now ready.

**THE D. HILL NURSERY CO.**

Evergreen Specialists. Largest Growers in America.

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Nurserymen, Florists  
and Planters

RUTHERFORD, NEW JERSEY

### HOLLAND NURSERIES

BEST HARDY RHODODENDRONS,  
AZALEAS, CONIFERS, CLEMATIS,  
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BACEOUS PLANTS.

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P. O. No. 1, Woburn N. J.

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Official organ of the American Association of Nurserymen. Circulation among the trade only. Published monthly. Subscription price, \$1.00 per year. Foreign subscriptions, \$1.50 per year. In advance. Sample copy free upon application from those in the trade enclosing their business card.

**National Nurseryman Pub. Co., Inc.**

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### Nursery Stock

Fruit and Ornamental Trees, Shrubs,  
Small Fruits, Clematis, Evergreens,  
and Roses.

Write for Trade List.

**W. & T. SMITH COMPANY,** Geneva, N. Y.

## SEED TRADE

### AMERICAN SEED TRADE ASSOCIATION

Officers: President, J. M. Lupton, Mattituck, L. I., N. Y.; First Vice-President, Mattituck, L. I., N. Y.; Second Vice-President, Kirby B. White, Detroit, Mich.; Secretary-Treasurer, F. W. Bolgiano, Washington, D. C.; Secretary, Treasurer, C. E. Kenschel, Cleveland, O.; Assistant Secretary, S. L. Willard, Jr., Cleveland, O. Chicago, Ill., June 30-27, next meeting place.

#### Onion Seed.

The delayed and cheap seed, rather than the yellow variety, continues to be in the market and a seed of high quality has become exceedingly scarce. There has been much complaint about the unsatisfactory germination of some lots of onion seed this season, and where the vitality has been low some seedsmen have adopted the plan of sending an additional quantity sufficient to make up for this lack. This plan undoubtedly will not be followed by the trade as a whole as it is too expensive. Most dealers, and particularly the mail order houses placed their prices at too low a figure to enable them to do this without serious loss.

#### Embarrassing State Enactments.

Just how the seed laws of the various states which prescribe arbitrary standards of germination can be met this year in the matter of onion seed will prove something of a problem. When the legislature attempts to regulate a product of nature, it is like passing laws forbidding grasshoppers to cross a state line, and quite as sensible. If the men who pass such laws were blessed with a little more "horse sense," and were less ready to play the role of the demagogue to obtain farmers' votes, such laws would never be passed. No doubt the farmers should be protected from deliberate fraud, but with all respect to this important element of our population, many of the evils they complain of have their birth in their own midst and they are largely responsible. Being a privileged class exempted from the operations of laws that will send other worthy citizens to jail, they are beginning to feel that no restrictive law should apply to them while the other part of the population should be subjected to laws little short of an inquisition.

#### The Disclaimer Controversy.

HORTICULTURE, Boston:  
Gentlemen:

Your last issue, containing the article in regard to the non-warranty clause of the American Seed Trade Disclaimer, meets with our hearty approval. Mr. Leonard was very sorry indeed after the meeting of this committee was over that he did not get up and make a strong protest, but the feeling was that it would be better at the time to uphold the very good committee we had in this matter, who were trying to do the best they possibly could to arrive at a satisfactory agreement for all concerned, and while a great many who were present and voted for the report of the committee, after thinking it over feel that it would have been better indeed for the seed trade in general if a more decided stand had been taken.

At the same time, the committee is not committed and are desirous of every credit for their endeavor to keep matters pleasant between all parties, and the understanding seems to be that this matter should and will be brought up before the Seed Trade Association at its next meeting in June, which is undoubtedly the proper place for it, as this Chicago meeting was one without any authority at all, as we understand it, but simply a gathering of seedsmen to protest against anyone selling goods without the non-warranty clause, which, in our opinion, should be used by everyone in the association.

Yours very truly,

LEONARD SEED CO.

Chicago, March 31, 1916.

#### Lifting the Embargoes.

Curtis Nye Smith, counsel of the Seed and Nursery Trade Associations, had on April 3 a conference with the railroad officials of the New York Central and New Haven Railroads and also with the Eastern Freight Accumulation Conference concerning the lifting of embargoes on seeds and nursery stock. As our readers were heretofore advised the New Haven embargo on seeds was lifted March 1st and on March 28th a permanent order against embargo on seeds was made. On the same road, on March 31st, the embargo on nursery stock was lifted. The New York Central lines and Boston & Albany have lifted embargoes on seeds and nursery stock. The Boston & Maine also had no embargo on seeds or nursery stock. The Pennsylvania has co-operated in the lifting of embargoes.

It is of the greatest importance that seeds and nursery stocks shall go forward promptly as the planting season is at hand. The railroad officials have shown an earnest desire to assist in this movement. If any seedsmen or nurseryman finds any delay in shipments, telegraph his complaint at once to the Vice-President in charge of Traffic of the railroad complained of, with copies to Mr. Smith.

#### One Week's Imports.

Imports at the port of New York of horticultural material for the week ending March 24, were recorded as follows:

Bulbs—Denmark, \$2,984; France, \$51; Germany, \$2,550; Netherlands, \$24,678; England, \$945; Hongkong, \$200; Japan, \$829.

Plants, etc.—France, \$662; Netherlands, \$79,781; England, \$1,536; Ireland, \$2,363; Japan, \$1,501.

Red clover seed—France, \$59,809; Germany, \$4,000; Italy, \$107,533; Netherlands, \$418.

Other clover seed—France, \$3,083; Canada, \$4,758.

All other seeds—France, \$13,643; Denmark, \$185; Netherlands, \$28,158; England, \$27,881; Hongkong, \$10; Japan, \$210.

Nitrate of potash—England, \$72,761.

Nitrate of soda—Chile, \$5,561.

Sulphate of potash—Peru, \$5,954.

Other fertilizers—Scotland, \$313; British West Indies, \$6,390.

#### Customs Decision.

Merchandise described as phlox or other herbaceous plants with fasciculated non-bulbous roots, imported by McHutchison & Co., were the subject

of a decision handed down on April 1 by the Board of United States General Appraisers. Duty was taxed on these plants as nursery stock not specially provided for, at the rate of 15 per cent ad valorem under paragraph 211, tariff act of 1913. The board finds that duty should have been assessed under the provision in paragraph 210 for "all other bulbs, roots, root stocks, and tubers, which are cultivated for their foliage, 50 cents per thousand."

#### Notes.

A. T. Boddenham states that his new location on Chambers street has greatly increased his counter trade. He is expecting an excellent business this season.

The Dutch have raised their embargo on round spinach seed, carrot, onion and leek seed, according to a telegram from the American consul general at Rotterdam.

The reliable old house of William Elliott & Sons speak enthusiastically of their business thus far this season. It has shown a marked increase over last year or the year previous.

Business is brisk at Thorburn's, Vaughan's, Weeber & Don's, Burnett Bros., and we must not overlook W. E. Marshall & Co., who are working overtime to keep up with their orders.

The MacNiff Horticultural Company finds their three stores none too large for their increase in business. Most of these stores are crowded during certain hours of the day and the large staff of clerks kept very busy.

A glance in the store of Peter Henderson & Company would disclose to any one familiar with the spring business of this establishment that spring was once more on us. It is crowded to capacity much of the time, and the management wears a placid and satisfied smile.

The sudden advent of spring has been a most welcome surprise to the seed trade as well as the public in general. We understand that most of the dealers have been very busy during the past week and much night work has been found necessary. While the loss of the month of March to the retail trade can scarcely be made up this spring, all indications are that they will be pushed to their limit of capacity during the next sixty days, and some of the lost ground may be regained.

#### NEW CORPORATIONS.

Milwaukee, Wis.—J. M. Fox & Son Co., florists, capital stock \$25,000. Incorporators, J. M., J. F. and J. T. Fox.

St. Joseph, Mo.—Mitchill Seed Co., wholesale and retail, capital stock \$50,000. Incorporators, Jeanette, Bruce and Alice Mitchill.

*Mitchell's Distinctive Seeds*  
Catalogue free  
518 Market St. — Phila.

# PULVERIZED SHEEP MANURE

(PURITY BRAND)

We have a splendid lot of this excellent fertilizer on hand ready for immediate shipment

Price per ton, \$40; 1-2 ton, \$20; 500 lbs., \$10; 100 lbs., \$2.50

**R. & J. FARQUHAR & CO., BOSTON, MASS.**

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Appreciation of a high order of Merit in Seeds and Seed Service leads naturally to purchasing from

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For  
Choice  
Quality

## ONION SETS

Write  
for  
Prices to

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## Burpee's Seeds PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES  
MAILED ONLY TO THOSE WHO PLANT  
FOR PROFIT.

**W. E. MARSHALL & CO.**  
**SEEDS, PLANTS AND BULBS**  
**Horticultural Sundries**

166 W. 23rd St., NEW YORK

### "SEEDS WITH A LINEAGE"

Seeds with a generation of finest  
flowers and vegetables back of them—  
carefully selected—really tested.  
Write today for Catalog.

**CARTER'S TESTED SEEDS, Inc.**  
186 Chamber of Commerce Bldg.  
Boston, Mass.

## BEGONIA, Mariemont Bedder

Brilliant scarlet with reddish brown foliage. Best bedding variety grown. Packet, 25 cents. Catalogue upon application.

**THOMAS J. GREY COMPANY**  
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29 South Market St. Boston, Mass.

## JAMES VICK'S SONS

**Seedsmen, Nurserymen,  
Florists**

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**J. BOLGIANO & SON**  
WHOLESALE FIELD AND GARDEN SEEDS  
Established 1818

Write For Our Low Prices

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## ONION SEED - - ONION SETS

We have yellow sets to offer and a limited quantity of fine Red Globe seed, together with a few other varieties. Are also submitting contract figures for the 1916 onion seed crop. If interested write for prices.

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## SWEET PEA SEED

Winter or Summer Spencer, only the best commercial varieties.

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Best Winter flowering Pink Snapdragon on the market. Per pkt., \$1.00; 6 pkts. for \$5.00.

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PHILADELPHIA, PA.

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Importers and Growers of

**SEEDS, BULBS, PLANTS, &c.**

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in all Seasons



The modern scientific method of plant raising. Send for illustrated descriptive circular and sample, 15c. Also our Collapsible Paper Seed Pot in 2 sizes, 4x2 and 4x3 square, for growing Tomatoes, Sweet Peas, &c., \$10.00 a thousand.

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Department M.

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## TUBEROSES

Dwarf Double Pearl

4½ to 6 inches

\$8.50 per 1000

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Single Flowering Type. Red, White, Rose, Yellow, Violet, Orange and Mixed.  
100 1000  
Extra Fine Bulbs.....\$2.00 \$17.00

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Extra Selected Stock. Gladiolus for forcing. Nanaus, Colvillei or large flowering type. Greenhouse Fertilizers. Ask for 1916 Seed Catalogue.

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Randall's Flower Shop

HARRY L. RANDALL, Proprietor.

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Hon. N. Y.—W. Driscoll Snell, 101 West 14th Street

Portland, Me.—Bertha F. Lougee, 647 Congress Street

Rockland, Me.—Geo. W. Glaentzel, Odd Fellow Building

Burlington, Vt.—W. E. Peters, removing to 128 Church street April 15.

A BIT OF "OLD ROME" WITH FLOWERS.



By Charles H. Fox, at National Flower Show, Philadelphia, Winning Public Ledger Trophy

Quidnick, R. I.—J. H. Cushing has retired from active business having sold his interest in his floral business to Earle, Schooman & Lamont. Courtney Earle is overseer of carding at the Quidnick Mills; Marten Schooman, general second hand; also of the Quidnick Mills, and Mr. Lamont, who has been head rose grower for Mr. Cushing for some time past. It is expected that the business will be carried on the same lines as in the past, specializing in roses and carnations. At present the outfit consists of 21 houses with an area of 100,000 square feet of glass.

**The Park Floral Co.**

J. A. VALENTINE, Pres.

Members Florists' Telegraph Delivery.

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**YOUNG & NUGENT**

42 West 28 Street  
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The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

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Deliveries to Steamers and all Eastern Ports

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**A. GRAHAM & SON**  
5523 Euclid Ave.  
Will take good care of your orders  
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Auto delivery of Designs and Flowers to  
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Stock and Work First Class

Orders Filled Day or Night for  
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and State of Ohio  
Complete Stock. Regular discount to Trade.  
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ANDERSON service means fresh, sturdy  
Stock and prompt deliveries in BUFFALO,  
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Centrally Located for Deliveries in All Parts of New England.

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125,000 Sq. Ft. of Glass  
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here given will be promptly and prop-  
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St.

Albany, N. Y.—The Rosery, 23 Steuben  
St.

Albany, N. Y.—William C. Gloeckner, 97  
State St.

Boston—Thos. F. Galvin, 1 Park St.  
Boston—Penn the Florist, 37-43 Brom-  
field St.; 124 Tremont St.

Buffalo, N. Y.—S. A. Anderson, 440 Main  
St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan  
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid  
Ave.

Cleveland, O.—Adam Graham & Sons,  
5523 Euclid Ave.

Cleveland, O.—Knoble Bros., 1836 W. 25th  
St.

Cleveland, O.—The Smith & Fettes Co.,  
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Detroit, Mich.—J. Breitmeyer's Sons,  
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017  
Graud Ave.

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New York—David Clarke's Sons, 2139-  
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th

New York—Dards, N. E. corner 44th St.  
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth  
Ave.

New York—Thos. F. Galvin, Fifth Ave.,  
at 46th St.

New York—A. T. Bunyard, 413 Madison  
Ave., at 48th St.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415  
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25  
Clinton Ave., N.

Rochester, N. Y.—Salter Bros., 38 Main  
St., West.

St. Louis, Mo.—Fred C. Weber, 4526-23  
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-  
son Co.

Toronto, Can.—J. H. Dunlop, 8-10 West  
Adelaide St.

Washington, D. C.—Gude Bros., 1214 F  
St.

Washington, D. C.—F. H. Kramer, 915  
F St., N. W.

Washington, D. C.—George H. Cooke,  
Connecticut Ave. and L St.

Westerly, R. I.—Reuter's.

Worcester, Mass.—H. F. A. Lange.

Worcester, Mass.—Randall's Flower Shop,  
3 Pleasant St.

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"The Telegraph Florist"

Member of Florists' Telegraph Delivery

124 Tremont St., BOSTON

**REUTER'S** Members Florists  
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STORES IN

New London and Norwich, Conn.  
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We cover the territory between  
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ST. LOUIS, MO.

**FRED C. WEBER**  
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Member Florists' Telegraph Delivery Association  
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Euclid Avenue

The Far-Famed Flowers of

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Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

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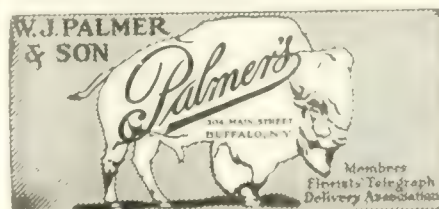
ALBANY, N. Y.

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ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.



# EASTER LILIES EASTER

## 5,000 POTS

### GIGANTEUM EXCELLENT STOCK

25 in Crate

Bloom or Bud 12 cents

ORDER NOW

## HENRY M. ROBINSON & CO., 32 Otis Street, 2 Winthrop Sq., BOSTON

Telephones, Main 2616—2617—2618, F. H., 2729

## NEWS ITEMS FROM EVERYWHERE

### CHICAGO.

Wm. Mathes, formerly at Vaughan's Nurseries, will now have charge of the summer home of A. Pabst at Oconomowoc, Wis.

Wm. E. Tricker, who has recently been with Vaughan's Greenhouses, has accepted the position of superintendent at Holm & Olson's, St. Paul, Minn.

Quite a good many florists are passing through Chicago enroute for their homes after visiting Philadelphia and New York. Much praise of the National Flower Show is heard from each one. As one expressed it, she had seen a real flower show for the first time.

P. J. Foley recently returned from Duluth, Minn., where he was called in connection with a law suit. Mr. Foley says he was impressed with the fact that florists should be very careful what kind of leases they sign. In this case Louis Visias rented a store and greenhouses from Lumm & Stevenson at Duluth and signed a lease for a term of years, promising to turn over the property in as good condition as he found it. The houses burned and the suit was to recover the value of the buildings. The lessees lost their suit and Visias had to pay only \$32.50 for removing the debris.

Frank Oechslein has bought the ten acres of land with range of carnation houses known as the Lynch place at 22nd street, and Harlem avenue. The houses have been built about five years and are in good condition and well adapted to the growing of young stock. Mr. Oechslein's business has grown steadily since its foundation ten years ago and the difficulty of securing young stock, especially of ferns, made this expansion necessary. The price is not made public but the purchase

came at a most opportune time as the Metropolitan Elevated secured rights of way to La Grange the following day, passing close to the new place.

### PITTSBURGH.

Carl T. Jacobson has been secured as assistant and Norman Kann, architect, for the landscape department of A. W. Smith Co.

Employees of Randolph & McClements are experiencing an epidemic of tonsillitis, Miss Bertha Hughes, Miss Gertrude Miner and Walter H. Breitenstein, all being victims.

Mrs. Jean Falconer Kirkpatrick, the daughter of William Falconer, began a weekly department dealing with the culture of flowers and beautifying of home grounds last Monday morning in the Pittsburgh Post.

Nicholas Cassalucia, gardener for the Penn. R. R., has commenced grading the grounds for planting surrounding the new Wilkesburg station and elsewhere. Mr. Cassalucia is at present handicapped, owing to a scarcity of workmen.

An illustrated lecture on "Beautiful Gardens at Home and Abroad" was given by J. Wilkinson Elliott on Tuesday afternoon at the William Penn Hotel. Mr. Wilkinson's lecture was illustrated with pictures of European gardens, including that of William Robinson of Sussex, England, California gardens and some good examples of those of Pennsylvania.

The three largest cities of Pennsylvania have over two hundred men in the agricultural school of the State College, Pittsburgh being second in the list. During the college year of 1904-5, there were only 73 students, while during the last year there were 1,337, the majority being city-bred.

Horticulture, forestry and agricultural chemistry are greatly favored courses.

### BOSTON.

Henry Comley has extended his Philadelphia trip to the Capitol City. Del. Cartwright did likewise and thoroughly enjoyed his little vacation.

William Sim, of Cliftondale, returned from the National Flower Show loaded with prizes, both firsts and seconds. Altogether he gathered in fifteen of the coveted medals.

Neal Boyle, of Malden, played host to a number of business friends at his greenhouses last Sunday. The party was escorted through the houses and then enjoyed a light refreshment. Many orders were booked by Mr. Boyle, who certainly showed some originality in getting the trade to come to him instead of vice-versa.

### WASHINGTON, D. C.

John M. McCabe, while operating a Ford delivery wagon, struck and fatally injured an elderly woman. The victim died a few hours later in the Casualty Hospital. Young McCabe was arrested, but was later exonerated of all blame by the coroner's jury. The machine was going slowly and McCabe sounded the horn, but the woman became confused and stepped in front of the car.

An appropriation of \$30,000 is sought to grade and terrace the grounds adjacent to the memorial arch at Valley Forge and to construct a road leading to the grounds and through the arch, in a bill just introduced by Congressman Butler. In a bill introduced by Senator Sheppard the sum of \$100,000 is asked to be used in the study and control of diseases of cotton, potatoes, truck crops, forage crops, drug and related plants.

A Florist's  
Necessity

# HART'S HANDY HANDLE

Fits securely on any standard pot and by the use of a little chiffon or ribbon gives you a Basket effect at a very small additional expense, increasing the price of your plants 100 per cent.

1	12 inches high,	\$2.50 per doz.	4	24 inches high,	\$5.00 per doz.
2	15 " " "	3.50 " " "	5	30 " " "	6.50 " " "
3	18 " " "	4.00 " " "	6	36 " " "	9.00 " " "

At Your Dealer's or Direct.

## GEO. B. HART, Manufacturer, 24 to 30 Stone Street, Rochester, N. Y.

# Baskets of Distinction

## FOR YOUR

# EASTER TRADE

Lovely Creations in Velour Grey, Tiffany Lavender, Imperial Blue with Florentine Floral Garlands in Pure White; Absolutely New Ideals, Our Own Manufacture, and shown for the First Time at the National Flower Show in Philadelphia where they demonstrated **Great Selling Qualities.**

Try a \$25 to \$40 selection. You'll quickly want more.

*We have everything in Dependable Easter Florists' Supplies.  
Prices moderate. Order now.*

**THE FLORISTS' SUPPLY HOUSE OF AMERICA**

**H. BAYERSDORFER & CO.,** 1129 Arch Street,  
PHILADELPHIA, PA.

## Obituary

**F. H. Fisher.**

F. H. Fisher, who was a florist of Nantucket, Mass., died on March 29. Funeral took place at Foxboro, where he formerly resided.

**Alpheus Packard.**

Alpheus Packard, for many years engaged in business as a florist in West Hanover, Mass., died on Monday, March 27, in his 74th year. He had been ill for more than a year. He leaves a widow and four children.

**Robert Greenlaw.**

Robert Greenlaw, brother of the late Alexander Greenlaw, of Boston, and father of Robert Greenlaw, Jr., traveling representative of S. S. Pennock-Meehan Co., died in Worcester, Mass., on March 29. He was 87 years old and a native of Banff, Scotland.

**John R. Shein.**

John R. Shein, florist, of Atlantic City, N. J., died at Atlantic City, N. J., on March 31, after an illness of several months. He was in business formerly in Philadelphia, but moved to Atlantic City many years ago.

**Mrs. B. R. Burchel.**

Mrs. B. R. Burchel, head of the Riessen Floral Co., and wife of Edward Burchel, associated with her in the company, died on March 30, at the Lutheran Hospital where she has been for the past three weeks, being

treated for liver trouble. Her death was unexpected and the trade was greatly shocked when it became known that Mrs. Burchel had died.

Mrs. Burchel before her marriage was Bertha Riessen and was employed by the old Michel Plant & Bulb Co. 25 years ago, where she learned the trade and afterwards opened up the Riessen Floral Co. on Broadway a few doors from the old Elleard establishment, which she later bought out and combined the two stores into one. Mrs. Burchel was born in St. Louis and was 46 years old. She was well known in the trade all over the country and especially in Chicago among the wholesalers who supplied the company with flowers for many years.

She leaves her husband, mother and two brothers. The funeral took place Sunday, April 2d. Many beautiful floral pieces were sent by members of the trade and friends.

## BUSINESS TROUBLES.

Boston, Mass.—Harry M. Walfish, florist, 476 Columbus avenue, is a petitioner in bankruptcy. He owes \$1272 and has no assets.

## NEWS NOTES.

Sewickley, Pa.—Thomas Evans has purchased the greenhouses of W. E. Patton and will continue the business under the name of the Valley Greenhouse Co.

Warwick, R. I.—The Maplehurst Greenhouses, Inc., have acquired the Longmeadow Golf Club grounds, comprising 82 acres, which it will devote to the extension of its gardening property.

## The Ginger Jar

The Philadelphia boys have reason to feel proud of themselves! They worked to the best of their ability—even if they were short of bedroom and kitchen accommodations. And now that the fathers and mothers of the kid have come and taken it away from us—with a small nest egg in its fist—we sincerely give it our blessing, and wish it good luck for its future development. We had our doubts and fears, but the seemingly impossible has been accomplished, and like the immortal rebel, Washington, we have crossed the Delaware in spite of ice and snow and short skirts and small boats. And, while on the subject, we must not forget to say a word for the local committees. There were about forty members and every one of them worked like a demon for months in advance. They had an uphill fight, but in the face of almost insufferable difficulties they pulled victory out of what seemed to many almost certain defeat.

When the kid comes back to us—say 10 or 15 years from now—we will have a real convention hall in the center of the city and will be prepared to welcome him like a Roman Emperor, with no doubts or fears or apologies, but with frills and confidence. Vale! G. C. W.

Providence, R. I.—The Burke Rose Company of this city has changed its name to the Hillsgrove Racing Association and has acquired the Hillsgrove Race track 10 miles from this city where it proposes to hold horse and other races and all kinds of outdoor sports.

## FOR PHILADELPHIA'S BEST BEAUTIES

send your order in our direction. The supply is increasing and your order will be filled if placed with us, and at the lowest market price.

**THE LEO NIESSEN CO.**

Wholesale Florists

1201-05 Race Street,

PHILADELPHIA, PA.

## EDWARD REID WHOLESALE FLORIST

1619 - 21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES  
and all Seasonable Varieties of Cut Flowers

## REED & KELLER Florists' Supplies

We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Decorative Glassware, Growers and  
Florists' Requisites

## Wired Toothpicks

Manufactured by

**W. J. COWEE, Berlin, N. Y.**

10,000...\$1.85. 50,000...\$8.00. Sample free.  
For sale by dealers.

## E. G. HILL CO.

Wholesale Florists  
RICHMOND, IND.

Please mention Horticulture when writing.

## MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS  
Consignments Solicited

Hardy Fancy Fern Our Specialty  
264 RANDOLPH ST., DETROIT, MICH.

Telephone 3860 Madison Square

## WOODROW & MARKETOS WHOLESALE Plantmen and Florists

37 and 39 West 28th St., NEW YORK



When writing to advertisers kindly  
mention HORTICULTURE.

## NEXT WEEK

# Easter Number

Flower Trade Harvest Time for  
Advertisers Who Have Easter  
Goods to Sell

## POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around  
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list

## WELCH BROS. CO. Wholesale Cut Flower Market

Daily consignments from  
leading growers

Full line of Florists'  
Supplies

Write for quotations before  
ordering elsewhere

226 DEVONSHIRE ST.,  
Telephone, Main 6267-6268

**BOSTON, MASS.**

## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON April 6		ST. LOUIS April 3		PHILA. April 3	
<b>Roses</b>						
Am. Beauty, Special	30.00	to 35.00	25.00	to 40.00	40.00	to 50.00
" " Fancy and Extra	20.00	to 25.00	20.00	to 30.00	30.00	to 35.00
" " No. 1	4.00	to 8.00	6.00	to 10.00	4.00	to 12.00
Russell, Hadley	4.00	to 12.00	8.00	to 10.00	4.00	to 20.00
Killarney, Richmond, Hillingdon, Ward, Extra	4.00	to 6.00	6.00	to 8.00	10.00	to 12.00
" " Ordinary	2.00	to 4.00	2.00	to 4.00	3.00	to 6.00
Arenburg, Radiance, Taft, Key, Extra	4.00	to 6.00	.....	.....	6.00	to 12.00
" " Ordinary	8.00	to 4.00	.....	.....	3.00	to 6.00
Ophelia, Mock, Sunburst, Extra	4.00	to 8.00	8.00	to 10.00	6.00	to 12.00
" " Ordinary	2.00	to 4.00	4.00	to 5.00	3.00	to 6.00
Carnations, Fancy	2.00	to 3.00	2.00	to 3.00	3.00	to 4.00
" " Ordinary	1.50	to 2.00	.75	to 1.00	1.50	to 2.00
Cattleyas	35.00	to 40.00	50.00	to 60.00	25.00	to 50.00
Dendrobium formosum	.....	to 35.00	.....	.....	.....	.....
Lilies, Longiflorum	6.00	to 8.00	10.00	to 12.50	8.00	to 12.00
" " Rubrum	2.00	to 4.00	4.00	to 6.00	4.00	to 6.00
Callas	9.00	to 10.00	10.00	to 12.50	8.00	to 10.00
Lily of the Valley	2.00	to 4.00	3.00	to 4.00	2.00	to 5.00
Daisies	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Violets	.50	to .50	.20	to .30	.20	to .75
Mignonette	2.00	to 6.00	3.00	to 5.00	2.00	to 6.00
Snapdragon	4.00	to 6.00	2.00	to 3.00	4.00	to 12.50
Daffodils	1.50	to 1.50	2.00	to 3.00	.50	to 3.00
Gladioli	8.00	to 12.00	.....	.....	.....	.....
Tulips	.....	to 3.00	3.00	to 4.00	2.00	to 4.00
Hyacinths	2.00	to 3.00	3.00	to 4.00	.....	.....
Freesia	1.00	to 1.50	2.00	to 3.00	.....	.....
Calendulas	1.00	to 1.00	2.00	to 3.00	2.00	to 4.00
Lilacs	.....	to 1.00	.....	.....	.50	to 1.00
Sweet Peas	0	to 1.00	.....	to .50	.50	to 1.50
Gardenias	2.00	to 35.00	.....	.....	4.00	to 20.00
Adiantum	.....	to 1.00	1.00	to 1.25	.....	to 1.00
Smilax	12.00	to 16.00	10.00	to 12.50	15.00	to 20.00
Asparagus Plumosus, & Spreng. (100 Bchs)	25.00	to 35.00	20.00	to 30.00	25.00	to 50.00

## WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

## J. A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and  
CARNATIONS  
A Specialty

WHOLESALE  
GROWER of

CUT FLOWERS

## Flower Market Reports

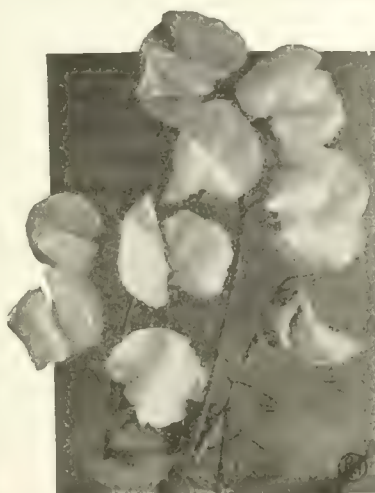
**BOSTON** Despite the favorable weather which has prevailed during the past week market conditions have not changed since last week, or if any change has been recorded it has been unfavorable. Carnations are numerous and sluggish. Roses are a trifle stronger and taken altogether are doing the best of anything. Violets are shortening up, singles being the only variety to be had. Lilies, Easter and Callas, are both going slowly; with the market flooded. Sweet peas are doing nicely—in fact as well as roses—but as the weather conditions have been rather unfavorable for them there are not many to be obtained. Taken as a whole the demand has decreased during the week and with the supply plentiful a surfeit has resulted.

The Chicago market is in a very fair condition, with plenty of stock and not an excess. As Easter approaches, the tendency is not to hurry the crop and so far the cool weather has been helpful to that end. Roses are coming freely and there is a large supply of medium grade stock which is always most in demand. Prices are not high, but most of the stock is moved at satisfactory figures. Carnations are a close second in respect to quantity and with these, too, large numbers are sold at special prices. A good shipping trade relieves the market of a great quantity of stock each day and local trade is also able to take care of a large amount. Bulbous stock is decidedly thinning out and the chances are there will be little left for Easter week. Lily of the valley is scarce. Lilies are very plentiful and there is the usual supply of miscellaneous stock, which includes calendulas, pansies, snap-dragon, etc.

The market is well supplied in all seasonable lines of flowers and prices are very reasonable. Roses are in good supply and carnations are plentiful. Easter lilies are in a better supply than they were and are selling well. Callas have a fair call. Sweet peas meet with a good demand but the supply is so overly large that only low prices are realized. Bulbous stock has a fair market. Lily of the valley are fairly plentiful but meet with a poor demand. Smilax is a little scarce.

The market is very quiet, as is always the case during the Flower Show week. There is very little doing by retailers and wholesale places are badly overcrowded. Roses and carnations are over abundant and prices have receded twenty-five per cent. since last week. Bulbous flowers are not so cumbersome as they were, lilies have increased in quantity and improved in quality, but there are far too many snapdragons.

We had two poor days here in the middle of the week, but by the windup there was a vast improvement and there was a fairly good cleanup, especially on carnations and the better grades of roses. There is an oversupply of sweet peas and daffodils and other stock of that kind. The new week has started in with good demand; but everything is



## Spencer Sweet Peas

Wonderful quality in endless variety, all the newer shades

75c, \$1.00, \$1.25, \$1.50 per 100

Our growers are cutting freely and can take care of all orders large or small.

### VALLEY

Special \$5.00 per 100. Extra \$4.00 per 100

COMPLETE LIST OF BLOOMING AND FOLIAGE PLANTS FOR EASTER SALES MAILED ON REQUEST.

## S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

PHILADELPHIA  
1608-1620 Ludlow St.

NEW YORK  
117 W. 28th St.

BALTIMORE  
Franklin & St. Paul Sts.

WASHINGTON  
1216 H St., N. W.

## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI April 3	CHICAGO April 3	BUFFALO April 3	PITTSBURG April 3
<b>Roses</b>				
Am. Beauty, Special.....	40.00 to 50.00	40.00 to 50.00	35.00 to 40.00	30.00 to 40.00
" " Fancy and Extra.....	20.00 to 35.00	30.00 to 40.00	25.00 to 35.00	20.00 to 30.00
" " No. 1.....	8.00 to 15.00	8.00 to 20.00	10.00 to 12.00	8.00 to 12.00
Russell, Hadley.....	8.00 to 15.00	6.00 to 25.00	..... to 10.00	..... to 50.00
Killarney, Richm'd, Hill'don, Ward	7.00 to 10.00	6.00 to 10.00	8.00 to 10.00	4.00 to 12.00
Ord.	4.00 to 6.00	4.00 to 5.00	4.00 to 6.00	..... to 12.00
Arenburg, Radiance, Taft, Key, Ex.	7.00 to 10.00	8.00 to 10.00	8.00 to 10.00	6.00 to 12.00
Ord.	4.00 to 6.00	4.00 to 5.00	5.00 to 6.00	..... to 12.00
Ophelia, Mock, Sunburst, Extra	7.00 to 10.00	8.00 to 12.00	8.00 to 10.00	4.00 to 12.00
Ordinary	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00	..... to 12.00
<b>Carnations</b>				
Fancy.....	..... to 3.00	3.00 to 4.00	2.50 to 3.00	..... to 3.00
Ordinary.....	..... to 2.00	2.00 to 3.00	1.50 to 2.00	..... to 2.00
<b>Cattleyas</b> .....	40.00 to 90.00	25.00 to 75.00	40.00 to 50.00	30.00 to 40.00
<b>Dendrobium formosum</b> .....	..... to 12.00	..... to 12.00	..... to 12.00	..... to 12.00
<b>Lilies, Longiflorum</b> .....	10.00 to 12.00	8.00 to 12.00	10.00 to 12.00	8.00 to 12.00
" <b>Rubrum</b> .....	..... to 10.00	..... to 10.00	4.00 to 6.00	6.00 to 8.00
<b>Callas</b> .....	8.00 to 10.00	6.00 to 10.00	8.00 to 12.00	..... to 10.00
<b>Lily of the Valley</b> .....	4.00 to 5.00	3.00 to 5.00	4.00 to 5.00	3.00 to 4.00
<b>Daisies</b> .....	..... to 2.00	1.50 to 2.00	1.00 to 1.50	2.00 to 3.00
<b>Violets</b> .....	.50 to .75	.50 to .75	.40 to .50	.50 to .75
<b>Mignonette</b> .....	..... to 3.00	4.00 to 6.00	3.00 to 5.00	..... to 4.00
<b>Snapdragon</b> .....	6.00 to 15.00	8.00 to 10.00	6.00 to 10.00	6.00 to 10.00
<b>Daffodils</b> .....	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 4.00
<b>Glaudioli</b> .....	..... to 4.00	2.00 to 5.00	2.00 to 3.00	3.00 to 4.00
<b>Tulips</b> .....	3.00 to 4.00	..... to 2.00	2.00 to 3.00	..... to 3.00
<b>Hyacinths</b> .....	3.00 to 5.00	..... to 2.00	2.00 to 3.00	..... to 3.00
<b>Freesia</b> .....	1.00 to 2.00	..... to 2.00	2.00 to 3.00	..... to 3.00
<b>Calendulas</b> .....	..... to 3.00	2.00 to 3.00	..... to 3.00	2.00 to 4.00
<b>Lilac (per bunch)</b> .....	..... to 1.50	..... to 1.50	..... to 1.50	..... to 1.50
<b>Sweet Peas</b> .....	.35 to 1.00	.50 to 2.00	.50 to 2.00	.50 to 1.50
<b>Gardenias</b> .....	..... to 1.00	..... to 1.00	25.00 to 30.00	..... to 35.00
<b>Adiantum</b> .....	..... to 1.00	..... to 1.00	1.00 to 1.25	.75 to 1.00
<b>Smilax</b> .....	10.00 to 12.50	12.00 to 18.00	..... to 15.00	..... to 18.00
<b>Asparagus Plu. &amp; Spren.</b> (100 Bhs.)	25.00 to 50.00	35.00 to 50.00	40.00 to 60.00	30.00 to 50.00

in large supply and even a brisk trade makes but slight impression on the heavy receipts.

**PITTSBURGH** Business is extremely quiet, having finally settled down to a regular Lenten routine. There are plenty of flowers of all varieties, and far too many of some. Lilies, which have been particularly scarce all winter, are now coming in such quantities that it is impossible to dispose of the majority. Long-stemmed roses are rather more plentiful than the short-stemmed ones. Glaudioli, which have been coming in from the south for the past fortnight, are in inferior condition.

**PROVIDENCE** Florists in this city are in a quandary as to what will be the outcome of the Easter trade this season. The fact that Easter comes so late this year and the peculiar atmospheric conditions as between indoor and outdoor stock present an

unusual state of affairs. Lilies, carnations and roses are plentiful. The season on this stock is about two weeks ahead of former years.

The wholesale market **ST. LOUIS** has been crowded all the past week. All varieties seem to be on crop at present. The damp rainy weather has had a bad effect on the retail business all over the city and the wholesalers experienced great difficulty in disposing of their daily consignments and a great deal of it had to be dumped. Prices are cheap and only the very best quality sells, the greatest glut being in roses, carnations and sweet peas.

Stock of all kinds **WASHINGTON** is arriving in larger quantities with the possible exception of American Beauty roses, orchids and gardenias, and there are enough of these to go around. Despite the fact that we

(Continued on Page 1)

**H. E. FROMENT**

Wholesale Commission Florist  
Choice Cut Flowers

New Address, 143 West 28th St., NEW YORK  
Telephones: 2200, 2201, Madison Square.

**MOORE, HENTZ & NASH**

Wholesale Commission Florists

55 and 57 West 26th Street  
Telephone No. 756  
Madison Square  
**New York**

**WM. P. FORD**

Wholesale Florist

107 W. 28th Street, NEW YORK

Telephone 5335, Farragut.

Call and inspect the Best Establishment  
in the Wholesale Flower District.

**GEO. C. SIEBRECHT**

WHOLESALE FLORIST

109 WEST 28th ST

CONSIGNMENTS SOLICITED

PHONE 698 / MADISON SQ., NEW YORK

**JOHN YOUNG & CO.**

WHOLESALE FLORISTS

53 WEST 28th STREET NEW YORK CITY

Consignments Solicited

Phone 7362 Madison Square

**THE KERVAN COMPANY**

Ferns, Mosses, Wild Smilax, Galax,  
Leucothoe, Palmetto, Cyran, both fresh  
cut and prepared.

Laurel, Hemlock, all Decorative Evergreens.  
Tel. (1593) Mad Sq 119 W. 28 St., New York

**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y

**M. C. FORD**

121 West 28th St., NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.  
Telephone 2870 Farragut.

**GEORGE B. HART**

WHOLESALE FLORIST

24 Stone St., Rochester, N. Y.

Regular Shipments Wanted of

Pansies and Violets

I have a good market for them.

**B. S. SLINN, JR.**

55 and 57 West 26th St. NEW YORK

**P. J. SMITH**

WHOLESALE COMMISSION FLORIST SELLING AGENT FOR LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes

TELEPHONE 2281 / 2089 FARRAGUT 131 West 28th St., NEW YORK CITY

**ALBANY CUT FLOWER EXCHANGE**

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.

WHOLESALE ONLY

SAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US

Prices Right. Consignments Solicited. Telephone Connection

HEADQUARTERS FOR NOVELTIES

**ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS  
GARDENIAS, DAISIES, ROSES, CARNATIONS ON HAND

JAMES McMANUS, TELEPHONE 105 W. 28th St., New York  
FARRAGUT 759

Centrally Located, The Hub of the Flower Market Section

**CHARLES MILLANG**

Wholesale Florist

55 and 57 W. 26th Street, - - NEW YORK

Telephone 7062 Madison

**BADGLEY & BISHOP, Inc.**

WHOLESALE FLORISTS, 34 West 28th St., New York

Telephones 1604 / 1605 Madison Square

CONSIGNMENTS SOLICITED

NEW YORK QUOTATIONS PER 100. To Dealers Only

**ROSES AND CARNATIONS**

	Last Half of Week ending Apr. 1 1916		First Half of Week beginning Apr. 3 1916	
American Beauty, Special	25.00	to 30.00	25.00	to 30.00
" Fancy and Extra	10.00	to 20.00	10.00	to 20.00
" No. 1	1.00	to 5.00	1.00	to 5.00
Russell, Hadley	12.00	to 35.00	1.00	to 35.00
Killarney, Richmond, Hillingdon, Ward, Extra	4.00	to 6.00	4.00	to 6.00
" Ordinary	1.00	to 4.00	1.00	to 4.00
Arenburg, Radiance, Taft, Key, Extra	6.00	to 8.00	6.00	to 8.00
" Ordinary	1.00	to 4.00	1.00	to 4.00
Ophelia, Mock, Sunburst, Extra	6.00	to 8.00	6.00	to 8.00
" Ordinary	1.00	to 6.00	1.00	to 6.00
Carnations, Fancy	1.50	to 2.00	1.50	to 2.00
" Ordinary	1.00	to 1.50	1.00	to 1.50

**WALTER F. SHERIDAN**

Wholesale Commission Dealer in

**CHOICE CUT FLOWERS**

133 West 28th Street, New York

Telephone—5532-3533 Madison Square

Frank H. Traendly

Charles Schenck

**TRAENDLY & SCHENCK**

Wholesale Florists

436 6th Avenue, Between 26th and 27th Sts., New York

Telephones: 797-798-799 Farragut

Consignments Solicited

**WALTER R. SIEBRECHT CO.**

Incorporated

Wholesale Commission Florists

Orchids, Gardenias and Many Unusual  
Flowers of Quality.

114 West 28th Street  
NEW YORK

**HENRY M. ROBINSON CO. OF NEW YORK**

WHOLESALE FLORISTS

55-57 West 26th Street

Telephones, 13—8510 Madison Square

Consignments Solicited

MAURICE L. GLASS, Treasurer

## Flower Market Reports

(Continued from page 500)

are in the midst of the Lenten season, business has been good. The price on American Beauty roses holds well up. Gardenias are still bringing \$3 per dozen and cattleyas sell at 50 and 60 cents each. Sweet peas are overplentiful and a great percentage of the incoming stock goes to the pedlars. Carnations are also almost without price. A few good ones bring \$4 per hundred but the average is far below that figure. Easter lilies are in fair supply. Southern daffodils fill the market but meet with a fair demand.

### VISITORS' REGISTER.

Pittsburgh—Robert C. Kerr, Houston, Texas; C. Overdevest, Wassenaar, Holland.

Atlantic City, N. J.: Mrs. W. W. Edgar, Waverley, Mass.; Mrs. Jas. McHutchison, New York.

Philadelphia: All the world and his wife to see the Flower Show; also C. B. Coe, repr. D. M. Ferry & Co., Detroit, Mich., on business only; Antoine Leuthy, Boston, Mass.

Boston: Geo. Emslie, Montpelier, Vt.; H. A. Totman, Randolph, Vt.; Winfried Rolker, New York; A. E. Thatcher, Bar Harbor, Me.; Daniel MacRorie, San Francisco, Cal.; H. P. Knoble, Cleveland, O.

Chicago: Mrs. E. H. Mazey, Minneapolis, Minn.; R. Williams, South Bend, Indiana; Andrew Anderson, Batavia, Ill.; E. T. Peterson, Wheaton, Ill.; Geo. F. Verhalen, Marshall, Texas; Robt. D. Smith, Chicago Junction, Ohio; Wm. Winter, Kirkwood, Mo.; Dan. MacRorie, San Francisco, Cal.; Mrs. I. Baumgarten, Milwaukee, Wis.; Geo. Crabb, Grand Rapids, Mich.

Washington: George J. Stan, Wilson, N. C.; Edward J. Bamlach, Pittsburgh, Pa.; C. C. Stubb, Augusta, Ga.; Karl P. Baum and Charles L. Baum, Knoxville, Tenn.; Harry R. Brown, Lynchburg, Tenn.; William F. Kastling and son, Buffalo, N. Y.; James Forbes, Portland, Ore.; Samuel Murray, Kansas City, Mo.; E. W. Ehmann, Oreville, Cal.; Elizabeth Hayden, Kansas City, Mo.; Mr. and Mrs. J. A. Peterson, Cincinnati, Ohio; Walter E. Cook, Cleveland, Ohio; Mr. and Mrs. John Laver, Erie, Pa.; W. A. Burnham, Irvington, N. Y.; Walter Gott, St. Albans, England.

### N. Y. FLORISTS' BOWLING CLUB.

Scores Recorded Thursday, March 30.

Braun	150	180	176
J. Donaldson	162	154	186
Scott	169	174	180
Fenrich	162	149	165
Jacobson	154	157	149
Hoffmeyer	159	199	157
Miesen	165	178	178
Stebrecht, Sr.	148	156	147
Kakuda	159	169	148

## HEADQUARTERS

### For High-Class Roses

Full line of BULBOUS STOCK, BOURBARDIAS, SWEET PEAS and other Seasonable Flowers.

## J. J. COAN

115 WEST 28TH STREET, NEW YORK  
Tel., Farragut 5413-5891

CONSIGNMENTS SOLICITED

## PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

TELEPHONE MAIN 2668

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M.

## NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Apr. 1 1916		First Half of Week beginning Apr. 3 1916	
Cattleyas	15.00	to 30.00	15.00	to 30.00
Dendrobium formosum	20.00	to 35.00	20.00	to 35.00
Lilies, Longiflorum	4.00	to 6.00	4.00	to 6.00
"    Rubrum	2.00	to 6.00	2.00	to 6.00
Callas	0.00	to 10.00	6.00	to 10.00
Lily of the Valley	1.00	to 4.00	1.00	to 4.00
Daisies	.50	to 2.00	.50	to 2.00
Violets	.15	to .35	.15	to .35
Mignonette	2.00	to 6.00	2.00	to 6.00
Snapdragon	3.00	to 8.00	3.00	to 8.00
Daffodils	1.00	to 2.00	1.00	to 2.00
Gladioli	6.00	to 8.00	6.00	to 8.00
Tulips	1.00	to 3.00	1.00	to 3.00
Hyacinths	1.00	to 2.00	1.00	to 2.00
Freesia	.50	to 2.00	.50	to 2.00
Calendulas	1.00	to 2.00	1.00	to 2.00
Lilac (per bunch)	.50	to 1.00	.50	to 1.00
Sweet Peas	.25	to 1.00	.25	to 1.00
Gardenias	8.00	to 25.00	8.00	to 25.00
Adiantum	.50	to 1.00	.50	to 1.00
Smilax	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, & Spreen (100 bunches)	15.00	to 25.00	15.00	to 35.00

## Are You Dissatisfied?

I have an unlimited market for your flowers, any variety, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty-eight years in the Cut Flower Commission Business.

Write for information or call and talk it over.

Telephone 167 & 3058 Farragut **J. K. ALLEN** 118 West 28th Street NEW YORK

## IF YOU WANT QUALITY ORDER YOUR LILIES AND CUT FLOWERS

At Lowest Possible Market Prices of

**N. F. MCCARTHY & CO.,** 112 Arch St., 31 Otis St., Boston, Mass.

## New England Florist Supply Co.

**SPECIAL** — 10 BARREL BALE Sphagnum Moss, \$3.50  
276 Devonshire Street, BOSTON, MASS.

Fort Hill, 3469  
TELEPHONES: Main, 4789 W

Open 6 a. m. to 7 p. m.

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Wholesale Florist

Experienced, Progressive and can handle shipments of growers' product satisfactorily.

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Tel. Farragut 3066.

Established 1888 Tel. 551 Farragut

## GUNTHER BROS.

Wholesale Commission Florists

110 West 28th St., New York

We Solicit Consignments of New England Grown Novelties.

## RIEDEL & MEYER, Inc.

Wholesale Commission

READY FOR BUSINESS

49 WEST 28th ST. NEW YORK.

## GUTTMAN & RAYNOR, Inc.

A. J. GUTTMAN, President.

## Wholesale Florists

101 W. 28th St., NEW YORK

We have 20 years' experience behind us.  
Telephone, Farragut 2036-2037-558.

## D. C. Arnold & Co., Inc.

Wholesale Florists

112 West 28th St., N. Y. CITY

Telephone, 2387 Farragut.  
Consignments Solicited.

## UNITED CUT FLOWER CO., INC.

Flowers Sold on Commission

Consignments of

Good Stock Solicited

PERCY W. RICHTER, Mgr., NEW YORK  
111 W. 28th Street

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Unlabeled advertisements in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers desiring to know what they want in this list may confer a favor by writing us and we will try to put them in communication with reliable dealers.

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## CARNATIONS—Continued

CARNATION CUTTINGS from kind of plants from soil; vigorous and healthy:

	Per 100	Per 1000
Alice	\$5.00	\$45.00
Blossom	5.00	45.00
Matchless	5.00	45.00
White Wonder	5.00	45.00

FRANK P. PUTNAM, Lowell, Mass.

## CARNATION STAPLES

Split cuttings quickly, easily and cheaply made. P. L. L. Carnation St. p. 100 for 20, 2000 for \$1.00 post paid. P. L. L. PILLSBURY, Guilford, Ill.

Supreme Carnation Staples, for repairing split cuttings, 20 per 1000, 2000 for \$1.00. P. W. WATTE, 85 Belmont Ave., Springfield, Mass.

## CHRYSANTHEMUMS

Charles H. Totty, Madison, N. J.

Alice Day.

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Elmer D. Smith, Adrian, Mich.

New Chrysanthemum Catalogue for 1916.

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Guttman & Raynor, Inc., New York City.

Early Lavender Pink Chrysanthemum

Alex Guttman, also Emma, a Garza

Anemone, Double Pompon,

pale pink.

For page see List of Advertisers.

## CYCLAMEN

CYCLAMEN. Best strain. Separate colors or mixed, 3 in. pots, \$8.00 per 100, for May delivery.

JULIUS ROEHRS CO., Rutherford, N. J.

## DAHLIAS

R. Vincent, Jr. & Sons Co.,

White Marsh, Md.

For page see List of Advertisers.

Send for Wholesale List of Whole clumps and separate stock; 40,000 clumps for sale

Northboro Dahlia and Gladiolus Gardens,

J. L. MOORE, Prop., Northboro, Mass.

NEW PALONY DAHLIA

John Wanumaker, Newest, Handsomest,

Best. New color, new form and new habit

of growth. Big stock of best cut-flower

varieties. Send list of wants to

PEACOCK DAHLIA FARMS, Berlin, N. J.

IF YOU INTEND growing Dahlias for cut flowers then you will make no mistake

if you will try my assortment, especially

selected for cut flower production. Three

whites, 3 pinks, 1 red, 1 yellow, 1 lavender,

1 fancy; all field roots, labeled true to

name; per 100, 10 of each kind, \$3.00; per

1000, 100 of each kind, \$25.00. 50 at 100

and 500 at 1000 rates. Cash with order.

Guarantee entire satisfaction. If interested

in Dahlias, then please send for my

wholesale trade list of Dahlias.

MANNETTO HILL NURSERIES,

W. A. FINGER, Prop., Hicksville, N. Y.

## DECORATIVE PLANTS

Robert Craig Co., Philadelphia, Pa.

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Woodrow & Marketos, New York City.

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Robbink & Atkins, Rutherford, N. J.

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Thomas Roland, Nahant, Mass.

High Grade Plants for Retail Florists.

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A. M. Davenport, Watertown, Mass.

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Henry A. Dreer, Philadelphia, Pa.

## EASTER PLANTS

Anton Schulthels, College Point, N. Y.

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**EVERGREENS**

Old Town Nurseries, So. Natick, Mass.  
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**FERNS**

H. H. Barrows & Son, Whitman, Mass.  
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A. M. Davenport, Watertown, Mass.  
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F. R. Pierson Co., Tarrytown, N. Y.  
Visit the Home of the Nephrolepis Family.

**FERTILIZERS**

Alphano Humus Co., New York City.  
The All-in-One Fertilizer.

R. & J. Farquhar & Co., Boston, Mass.  
Pulverized Sheep Manure.  
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Highgrade Manure Compost Co.,  
New York City and Red Bank, N. J.  
Magic Humus.  
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Pulverized Manure Co., Chicago, Ill.  
Wizard Brand Cattle Manure.  
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H. Bayersdorfer & Co., Philadelphia, Pa.  
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Welch Bros. Co., Boston, Mass.  
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Henry M. Robinson & Co., Boston, Mass.  
Waxed Flowers and Metallic Magnolia  
Wreaths.  
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**FLOWER POTS**

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**FUNGICIDES**

Aphine Mfg. Co., Madison, N. J.  
Fungine.  
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**GARDEN TOOLS**

B. G. Pratt Co., New York City.

**GERANIUMS**

R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.  
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Madame Sallerol—2 in., \$2.00 per 100;  
\$18.00 per 1000. PASCOAG GREEN-  
HOUSES, Wm. Doel, Prop., Pascoag, R. I.  
S. A. Nutt geraniums. Extra fine stock.  
Write for sizes and prices. FRANK  
LEITH & SON, Haverhill, Mass.

**GLADIOLI**

John Lewis Childs, Flowerfield, L. I., N. Y.  
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A. Henderson & Co., Chicago, Ill.  
Forcing Gladioli.  
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**GLASS**

Sharp, Partridge & Co., Chicago.  
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Parshelsky Bros., Inc., Brooklyn, N. Y.  
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Greenhouse glass, lowest prices. JOHN-  
STON GLASS CO., Hartford City, Ind.

**GLAZING POINTS**

H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.  
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**GREENHOUSE BUILDING MATERIAL**  
King Construction Co., N. Tonawanda, N. Y.  
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Parshelsky Bros., Inc., Brooklyn, N. Y.  
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Lord & Burnham Co., New York City.  
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A. T. Stearns Lumber Co., Neponset,  
Boston.  
Pecky Cypress.

**GREENHOUSE CONSTRUCTION**

King Construction Co., N. Tonawanda, N. Y.  
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Foley Greenhouse Mfg. Co., Chicago, Ill.  
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Hitchings & Co., New York City.

A. T. Stearns Lumber Co., Boston, Mass.

Metropolitan Material Co., New York City.  
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Lord & Burnham Co., New York City.  
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**GREENHOUSE SHADING**

E. A. Lippman, Morristown, N. J.  
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**GUTTERS**

King Construction Co., N. Tonawanda, N. Y.  
King Channel Gutter.  
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**HAIL INSURANCE**

Florists' Hail Asso. of America.  
J. G. Esler, Saddle River, N. J.  
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**HARDY FERNS AND GREEN GOODS**

Michigan Cut Flower Exchange, Detroit,  
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The Kervan Co., New York.  
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**HARDY PERENNIALS**

Bay State Nurseries, No. Abington, Mass.  
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Palisades Nurseries, Inc., Sparkill, N. Y.  
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Old Town Nurseries, So. Natick, Mass.  
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P. Ouwerkerk, Hoboken, N. J.  
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Henry A. Dreer, Philadelphia, Pa.  
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**HART'S HANDY HANDLE**

Geo. B. Hart, Rochester, N. Y.  
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**HEATHER**

Anton Schultheis, College Point, N. Y.

**HEATING APPARATUS**

Kroeschell Bros. Co., Chicago.  
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Lord & Burnham Co., New York City.  
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**HOT BED SASH.**

Parshelsky Bros., Inc., Brooklyn, N. Y.  
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S. Jacobs & Sons, Brooklyn, N. Y.  
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Foley Greenhouse Construction Co.,  
Chicago, Ill.  
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A. T. Stearns Lumber Co., Neponset, Mass.

Lord & Burnham Co., New York City.  
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Standard hotbed sash, 1½ in. thick, with  
crossbar, 80c. each; lots of 25 and over, 75c.  
each. Blind tenons; white leaded in joints.  
The life of a sash depends on this construc-  
tion. We GUARANTEE our sash to be  
satisfactory or refund your money. Glass,  
6 x 8, 8 x 10, 10 x 12, or 10 x 14. \$1.50 per  
box of 50 sq. ft. C. N. ROBINSON & BRO.,  
Dept. 29, Baltimore, Md.

**HOSE**

H. A. Dreer, Philadelphia, Pa.  
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Metropolitan Material Co., Brooklyn, N. Y.  
Non-Kink Woven Hose.  
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**HOTEL ACCOMMODATIONS**

Hotel Cumberland, New York City.

**INSECTICIDES**

Aphine Manufacturing Co., Madison, N. J.  
Aphine.  
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Nicotine Mfg. Co., St. Louis, Mo.  
Aphis Punk and Nikoteen.  
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Eastern Chemical Co., Boston, Mass.  
Imp. Soap Spray.  
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Plantlife Co., Inc., New York.

**LILY BULBS**

Chas. Schwake & Co., New York City.  
Horticultural Importers and Exporters.  
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R. M. Ward & Co., New York, N. Y.  
Japanese Lily Bulbs of Superior Quality.  
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Joseph Breck & Sons Corp., Boston, Mass.  
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**LILY OF THE VALLEY PIPS**

Chas. Schwake & Co., Inc., New York City.  
Hobmann's Famous Lily of the Valley Pips.  
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Loechner & Co., New York City.  
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J. M. Thorburn & Co., New York City.  
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McHutchison & Co., New York City.  
Berlin Valley Pips.  
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Lily of the Valley pips, \$5.00 per 1000;  
clumps, \$8.00 per 100. Also all vegetable  
seedlings. Write HENRY SCHAUMBERG,  
Hammonton, N. J.

**LIQUID PUTTY MACHINE**

Metropolitan Material Co., Brooklyn, N. Y.  
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**MANETTI STOCKS—ENGLISH**

McHutchison & Co., New York City.  
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F. O. Pierce Co., New York City.  
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**NATIONAL NURSERYMAN**

National Nurseryman Publishing Co., Inc.,  
Rochester, N. Y.  
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**NIKOTEEN**

Nicotine Mfg. Co., St. Louis, Mo.  
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**NIKOTIANA**

Aphine Mfg. Co., Madison, N. J.  
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**NURSERY STOCK**

R. & J. Farquhar & Co., Boston, Mass.  
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P. Ouwerkerk, Weehawken Heights, N. J.  
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The D. Hill Nursery Co., Dundee, Ill.  
Hill's Evergreens.  
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Bay State Nurseries, North Abington, Mass.  
Hardy, Northern Grown Stock.  
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Bobbink & Atkins, Rutherford, N. J.  
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August Bolker & Sons, New York City  
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**NUT GROWING**

The Nut-Grower, Waycross, Ga.

**In writing to Advertisers kindly mention Horticulture**

## ONION SEEDS

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## ONION SETS

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## ORCHID FLOWERS

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## ORCHID PLANTS

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Lager & Hurrell, Summit, N. J.

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## PANSY PLANTS

225,000 large, stocky (Sept. transplanted), big growth flowering plants. Henry Moss's strain of double stock, satisfaction guaranteed. \$1.00 per 100, \$10.00 per 1000. Cash. Prompt shipping. BRILL CULINARY GARDENS, Kalamazoo, Mich.

Pansies, the big plant flowering kind, \$1.00 per 100, \$10.00 per 1000. Cash. If I could only show the other plants, hundreds of testimonials and repeat orders I would be flooded with new business. JAMES MOSS, Johnsville, Pa.

## PAPER POTS

The Globe Co., New York City.

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## PHOENIX CANARIENSIS

In all sizes. Special price-list on demand. JULIUS ROEHRS CO., Rutherford, N. J.

## PEONIES

Peonies. The world's greatest collection. 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

## PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.

## PELARGONIUMS

Robert J. Limer, New York City.

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## PETUNIAS

Petunias, our well known strain of doubles, all strong growers, carrying immense blooms, perfectly healthy stock, well rooted and labelled if requested, \$1.25 per 100, \$10.00 per 1,000. If in strong, \$2.50 per 100, \$22.00 per 1,000. HOPKINS & HOPKINS, Chepachet, R. I.

## PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.

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King Construction Company,

N. Tonawanda, N. Y.

Shelf Brackets and Pipe Hangers

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Pfaff & Kendall, Newark, N. J.

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## PLANT AND BULB IMPORTS

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August Rolker & Sons, New York City.

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McHutchison & Co., New York City.

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## PLANT TRELLISES AND STAKES

Seele's Tieless Plant Stakes and Trellises. B. D. SEELE & SONS, Elmhurst, Ind.

## PLANT TUBS

H. A. Dreer, Philadelphia, Pa.

"Riverton Special."

## RAFFIA

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## RIBBONS AND CHIFFONS

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Bay State Nurseries, North Abington, Mass.

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Guthrie & R. L. H. New York City.

Rose Palma D. L. H. Made Paul L. H.

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THE CONARD & JONES COMPANY.

Rose Specialists.

West Grove, Pa. Send for offers.

## SCALECIDE

B. G. Pratt Co., New York City.

## SEASONABLE PLANT STOCK

R. Vincent, Jr. & Sons Co., White Marsh,

Md.

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## SEEDS

Carter's Tested Seeds.

Seeds with a Pedigree.

Boston, Mass., and London, England.

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Peter Henderson & Co., New York City.

Everything for the Garden, Lawn and Farm.

Joseph Breck & Sons, Boston, Mass.

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J. Bolgiano & Son, Baltimore, Md.

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New Crop Asparagus Seed.

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Winter Flowering Sweet Pea Seed.

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August Rolker & Sons, New York City.

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Leonard Seed Co., Chicago, Ill.

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Fottler, Fiske, Rawson Co., Boston, Mass.

Seeds for the Florist.

## SEED AND PLANT FORCER

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Knud Nielsen, Evergreen, Ala.

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## STRAWBERRY PLANTS

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## SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.

Gold Medal of Honor Winter Orchid Sweet

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## TRITOMAS

Now is the time to buy Tritoma Pfisteri.

THOMAS J. OBERLIN, Stinking Spring, Pa.

## TUBEROSES

J. M. Thorburn & Co., New York City.

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## VASES

H. Bayersdorfer & Co., Philadelphia, Pa.

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## VEGETABLE PLANTS

R. Vincent, Jr. & Sons Co.

White Marsh, Md.

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500,000 Giant Argentine and Palmetto

Asparagus Roots grown from selected seed.

500,000 Jersey Sweet Potato Plants, red and

yellow. 50,000 Vineland Bush Sweet Potato

Plants, no vines, 100 lbs. each Ruby King

and Pimento Pepper Seed. 25,000 Gladiolus

Bulbs. 10,000 Rhubarb Roots. All other

Vegetable Plants in season. Write for

what you want. No catalogue. I. & J. L.

LEONARD, Iona, N. J.

## VENTILATING APPARATUS

The Advance Co., Richmond, Ind.

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The John A. Evans Co., Richmond, Ind.

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## VERMICIDES

Aphine Mfg. Co., Madison, N. J.

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## WANTED—OLEANDER PLANTS AND

ORANGE TREES

Alexander McConnell, New York City.

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## WEED KILLER

Pino Lyptol Chemical Co., New York City.

Pino-Lyptol Weed Killer.

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## WHEAT SHEAVES

H. Bayersdorfer & Co., Philadelphia, Pa.

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## WIRED TOOTHPICKS

W. J. Cowie, Berlin, N. Y.

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## WIREWORK

Reed & Keller, New York City.

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WILLIAM E. HEILSCHER'S WIRE

WORKS, 264 Randolph St., Detroit, Mich.

## WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.

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## Baltimore

The S. S. Pennock Meehan Co., Franklin

and St. Paul Sts.

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## New Offers In This Issue

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### MAGIC COMPLETE PLANT FOOD.

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### NEW BOOK ON HOW TO GROW ROSES.

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### THE FIVE HUNDRED DOLLAR PRIZE ROSE GARDEN.

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### THE PANAMA CANNA.

Conard & Jones Co., West Grove, Pa.  
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### WANTED—EASTER AND NURSERY STOCK, ALSO BEDDING PLANTS.

C. C. Trepel, Brooklyn and New York.  
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## WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as six words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 147 Summer St., Boston.

### HELP WANTED

WANTED—At once, a young man as assistant gardener with general knowledge and experience of greenhouse work, on private place. Also a vegetable gardener. Single man preferred. Please state age, nationality and wages wanted. "G." care of HORTICULTURE.

WANTED—At once, married, sober and willing man on small retail place; capable to take charge if it should be necessary; roses, carnations and general stock grown. Good pay to good man; chance for advancement, as business is increasing each year. W. W. RHULAND, Winchendon, Mass.

### SITUATIONS WANTED

SITUATION WANTED—Head gardener, middle age; life experience in the business and understands the routine of work inside and out; greenhouse plants, fruit, vegetables. Married, no family. "F." care HORTICULTURE, Boston, Mass.

SITUATION WANTED—By Head Gardener (English) on private estate; life experience in all branches of Horticulture both under glass and outside; well up in alpine and herbaceous plants, and all work in general on a private estate. Good references. Married, no family. "F." care HORTICULTURE

### FOR SALE

FOR SALE—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money. PARSELSKY BROS., INC., 215-217 Havemeyer St., Brooklyn, N. Y.

FOR SALE—Modern Greenhouse Plant, located in city of thirty thousand. Address E. A. CHURCHILL, 41 Royal St., Lowell, Mass.

### PERSONAL.

James Hockett, of Pawtucket, treasurer of the Florists' and Gardeners' Club of Rhode Island, has been confined to his home with an attack of the grippe.

Charles H. Davis has engaged Chas. A. Leighton, a former florist in Skowhegan, to take charge of the gardening at his summer place, "The Antlers," on Raquette Lake, in the Adirondacks.

St. Louis Club and Society meetings for April are as follows: St. Louis Florist Club, April 13th at 2 o'clock in Odd Fellows' Hall; The National Flower Show delegates will report on the great Philadelphia show; St. Louis County Growers' Association, Wednesday, April 5th, at the Eleven Mile House; Retail Florists' Association, April 17 at the Mission Inn Garden. Secretary Weber will tell the members of his visit to the National Flower Show and what he saw to interest the retailer. Lady Florists' Home Circle, April 12th at the home of Mrs. J. J. Beneke. They will be entertained by the hostess with a luncheon.

# In writing to Advertisers kindly mention Horticulture

## AMERICAN ROSE SOCIETY

Address of President S. S. Pennock at Annual Meeting in Philadelphia,  
March 27, 1916.

Members of the American Rose Society.

Another year has rolled by and we meet again in Annual session, this time under most favorable conditions, holding our show and meetings in conjunction with the Fourth National Flower Show, giving the American Rose Society an impetus and uplift that will be far reaching, making for the future of the Society.

This show, I feel sure everyone will agree with me, is not only the largest and most beautiful, but the best and most complete ever held in this country.

I am going to say to you, and not boastfully either, that the American Rose Society is taking no small part in making this show the success it is, for you will, I know, after viewing the plants, cut flowers, rose gardens and other exhibits, feel it is not only an honor but a privilege to be a member.

These shows, whether a national flower show, an annual rose show, or an amateur show in June of outdoor roses, mean more to the future of the rose than any other medium the Rose Society can foster and encourage. A show like this creates a love for flowers; flowers from the flower store in winter, flowers from the garden in the summer, flowers for every flower lover for every day in the year and that is what we want to encourage.

For some years the Society has gone along mostly on commercial lines and as such it has appealed to the commercial man more than to the amateur. The rose industry of this country is a large industry and must not be lost sight of—at the same time, the amateur is another phase that cannot be lost sight of and the amateur rosarian is becoming more and more of a factor each year. Not only is his work a benefit and an inspiration to the commercial man, but it is popularizing the rose as no other means can or will and the amateur, I feel, is the one we must look mostly to in increasing our membership and bringing the society up to a standard and more on a level with the National Rose Society of England, which has a membership of over 6000, and is a flourishing society.

I want to make a strong appeal for the amateur, believing a large amateur membership is the only way we can bring the society to that state of efficiency which every member, whether active or associate, wishes it to attain.

A month ago I had a visit from Dr. Robt. Huey about this very amateur business, and, by the way, Dr. Huey ceased being a member of this Society on account of its offering the amateur so little, but glad to say he is again with us. He brought with him a letter from W. E. Davis, a rose enthusiast of New Haven, with a very strong appeal for the amateur in our Society, asking that this matter be taken up in a vigorous manner at our annual meeting.

We have with us today a number of members who we will be glad to hear from later, members who are recognized authorities on roses. I think with the assistance and the material we have among our members there is no doubt we can map out a campaign that will give such value to every member that we will have no trouble in securing new members and let us hope this time next year we will have a membership of more than a thousand.

### Publicity.

Along the lines of publicity we are doing all the society at this time can do financially, and believe for what money we are spending we are getting splendid results. An increased membership and a better treasury balance will enable us to offer our members more in the way of literature and general rose information, giving them such value that they will feel an increase in associate membership dues in the next few years will be thoroughly justified, so let every member, whether active or associate, strive to help our publicity campaign, to increase the membership, and give us a society worth while.

I note with pleasure that we are having more societies affiliating with us each year. I believe it is only a matter of time when a great many of these affiliated members will not feel satisfied to be simply affiliated members but will want to be something more, either an associate or active member. Should not the secretary of each affiliated society have a voice in the Rose Society the same as an active member? I make this as a recommendation. These affiliated members will mean new friends who will join with the old in making this society a tower of strength, and make it truly national in scope and character as well as in name.

Another point in publicity; we believe our friends, the rose catalog men, could be instrumental in bringing in new members in large numbers, by making mention of the Rose Society in their catalog, setting forth its aims and purposes—points that would appeal to the amateur.

### Rose Annual.

This year's Rose Annual, which has been so ably edited by J. Horace McFarland, is not only a credit to the society, but as well a treatise on roses invaluable to every member, both the commercial and amateur rosarian, and will, we are sure, make for new members wherever it goes, and add new life to our society.

In circulating the Annual, it will only go with a membership, either life, active, associate or affiliated. We feel the Annual too valuable a book to be sold just as an edition, and it should be well worth the price of membership in the society. In the annual each year the aim will be to give to our members literature that will be an inspiration and a real help to them, articles

from the pens of recognized authorities, making it a book to be treasured and kept as a rose library.

### Test Gardens.

The American Rose Society, in establishing test gardens in various parts of the United States, is working out a feature that will become a most valuable and far reaching asset to rose growing. These test gardens are now firmly established in Washington, in Hartford, at Cornell University (Ithaca, N. Y.) and in Minneapolis.

A committee has been appointed to look after and take charge of each garden. The plan in these test gardens is to have at least five plants of a kind in the case of teas, and two of a kind in the case of climbers, of every known variety that can be obtained not only from this country but from foreign parts as well. Accurate records are to be kept as to how they flourish, the climatic conditions, the amount of bloom, and whatever statistics as to temperature, soil, etc., that may be deemed necessary by the committees in charge.

Any one contemplating the growing of a certain variety—for instance, in the same climate as Washington—might refer to the appropriate test garden reports and see how that variety has done, whether it was hardy, whether it was able to stand the hot summer, and so on. These records, as summarized each year in the Annual, will become invaluable.

These test gardens as they will be established from time to time in the various cities of the United States and Canada will make one of the many interesting features fostered by the Rose Society.

### Scale for Judging Outdoor Roses.

The official scale of points for judging outdoor roses as adopted by the Rose Society some years ago, has been thought by some of our rose enthusiasts to be insufficient and not covering the ground completely. Dr. Huey, Jesse A. Currey and Geo. C. Thomas, Jr., have had some correspondence on this subject and have made up a scale of points which they consider makes a better scale to judge by. This will later be reported on.

### Registration of Roses.

Accurate registration of roses is a very important matter. We can go back only a few years and find incomplete and at times very inaccurate records of roses of American origin. The Department of Agriculture at Washington has under way the compiling of a record of roses of American origin and sports, and, with the registration as kept by the American Rose Society, we believe we will have records better and more accurate than could be gotten together in any other way.

### Renaming of Roses.

The renaming of roses, whether of American or foreign origin, is to my mind a pernicious habit, and one that the American Rose Society is not at all in accord with, believing that it does more harm to the rose than good, and with this aim in view the society at one of its executive committee meetings appointed Robt. Simpson, H. O. May and Robt. Pyle, who will make a report at this meeting, and I sin-

Prepare Your Soil Right

Feed Your Plants Properly

# YOU WANT BEST RESULTS

When using Fertilizers, whether you grow Flowers or Vegetables, inside or outside. Why take any chances when you can obtain "Magic Complete Plant Foods," and feed the "Magic Way"?

We will tell you how to use the following "Magic" products to obtain best results at lowest possible cost:

When you buy "Magic" Bone Meals and Complete Plant Foods, you receive vegetable and animal matter in proper proportions. And not one ounce of foreign filler is used in "Magic." It's all pure plant food and humus.

Let us tell you about the "Magic Complete Plant

Steamed Bone Meal	Rose Food
Raw Bone Meal	Carnation Food
Bone Flour	Greens Food
Blood and Bone	Vegetable Food
Pure Carbonate of Lime	Pulverized Sheep Manure
Raw Manures—Sheep, Cow and Horse—in Carload Lots	

Foods," and how to use them. We will help you grow more and better plants and vegetables. And with minimum labor and at minimum cost.

Feel free to command our Information Dept. to help you solve your soil troubles and plant food problems.

Write for our "Factory-to-consumer Prices."

## Chicago Feed & Fertilizer Company

810 Exchange Ave.

Union Stock Yards

CHICAGO, ILL.

Building Greenhouses Costs Money

Building Soils Makes Money

cerely hope that you will adopt their report, believing that it will make for the good of the society and for the good of everyone who wants to do business on honorable and straight lines.

### Plant Pathology.

It has occurred to a number of those interested in roses, particularly those interested in the Society's future, that we should have a department of plant pathology, where information could be gotten by the members who are in trouble with diseases of any nature or any character, whether it be indoor or outdoor grown, and advice as to how to handle this disease, and how to avoid a recurrence. A great many rose lovers, particularly the commercial men, know how to cure certain diseases but they do not always know the fundamental principles, or what causes these diseases; if they did know they could probably handle them in much better shape. How many of the amateurs would welcome a suggestion of how to prevent their roses from mildewing or other diseases. They generally know what to do after they are diseased, but a very much better way would be to prevent the disease in the first place.

What we would like to do would be to establish a fund to take care of such a department and do it on a basis so that it would be profitable to every rose grower in the United States and Canada, and I feel that every rose grower, if for nothing else, should be a member of the Rose Society to help a department of this nature, feeling that they would get back in returns far more than they ever invested.

There is not a grower in this coun-

try but who would give money, and liberally, if he could prevent black spot, mildew, or any of the many other diseases which rose plants are subject to, and if we had this department on a solid footing we believe it would be only a matter of time when experiments could be made that would eliminate most of the diseases, possibly not eliminate them but remedy them to a great extent. So the department, no matter what it would cost, instead of being an expense, would be a saving to the rose business as a whole.

This work could be taken up with any of our agricultural State colleges, or preferably by the Department of Agriculture, Washington, D. C., and carried on in a businesslike manner. This would be much the better plan to pursue, as it would then be national in its scope, and not confined to any one state.

At the annual meeting last year a committee was appointed to look into the grading of roses, and the naming of those grades. The committee appointed by President Pierson was S. S. Pennock, P. Welch and Frank Traendly. H. O. May has been added to that committee, and he will make the report of its recommendation, and I trust same will be adopted by the society.

In conclusion I want to add a word of praise for our secretary who has labored all these years unselfishly and untiringly with the thought always of what was best for the society. He has spent time and money for the society wherever and whenever needed, and has been one of its mainstays, taking hold of the secretaryship when no one wanted the job, and when the

society was almost down and out. To him we owe, I believe, more than to any other one person, the bringing of the society where it is today. All this work has been for love as there has been no remuneration whatever in it for him.

Let us hope that our society can be put on a financial basis, that will allow us to pay our secretary a salary in the future and that every member will work for a larger and better society is the wish of your president.

### FLORISTS' CLUB OF PHILADELPHIA.

The subject for the April meeting, Tuesday night, April 5, was, "A symposium on the newer roses; what they think of those they have tested during the past few seasons," assigned to Stephen Mortensen, Edward Towill and Martin Samtman. The three speakers made very interesting addresses. Donations of twelve blooms each of all the standard and new varieties available were made by Messrs. Mortensen, Towill, Doemling, Samtman, Casper Pennock and Leonard. Robert Scott & Son exhibited the new red Dickinson rose which will be sent out next year, magnificent in every way and unique in color.

### CLUB AND SOCIETY NOTES.

The regular meeting of the Cincinnati Florists' Society will be held Monday, May 10th, at Hotel Gibson.

Because of the success of the fall flower show last year an effort is being made to arrange one for the spring in Collingswood, N. J.


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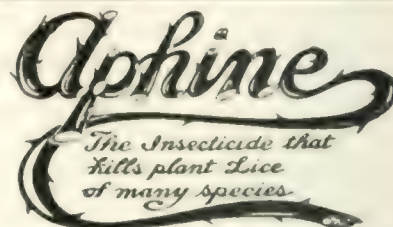
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**CATALOGUES RECEIVED.**

Fraser Nursery Company, Huntsville, Ala.—March Surplus List and Boxed Lots in Cold Storage.

Gloede's, Architects and Constructors of Landscape Gardening—Illustrated handbook and price list of hardy and tender planting material. Its motto: "Leave the World More Beautiful Than You Found It." A neat and serviceable catalogue.

V. N. Gauntlett & Co., Ltd., Japanese Nurseries, Chiddingfold, Surrey, England—Hardy Plants Worth Growing. Catalogue No. 94. This is a most remarkable catalogue, or album rather, for by far the greater part of its 472 pages is devoted to half-tone illustrations of which there are no less than 600. The pictures are very fine as a rule, the descriptions direct and concise and free from the profuse laudatory particulars which are so lavishly used in most floral catalogues. Anyone interested in hardy shrubs and herbaceous gardening will find a well-spring of delight in this publication.

**PATENTS GRANTED.**

1,174,176. Process of Making Fertilizer. Spencer B. Newerry and Harvey N. Barrett, Baybridge, Ohio.

1,174,283. Plant Setting Machine. Julius Riemenschneider, Milwaukee, Wis.

1,174,317. Guard and Runner for Garden Implements. Julius A. Heimerl, Milwaukee, Wis.

Sunnyside, Pa.—W. W. Patterson's greenhouses have been purchased by White Bros.



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## PUBLICATIONS RECEIVED.

The Annual Report for the Year 1915 of The Chrysanthemum Society of America has been distributed by Secretary Johnson. It includes a full account of the proceedings of the fourteenth annual meeting, held at Cleveland, Nov. 10-14, 1915, also a very useful list of the varieties, foreign and domestic, disseminated during the year and a review of the work of the examining committees.

Bulletin of the American Dahlia Society—Published for the Society by J. Harrison Dick, Brooklyn, N. Y. Vol. 1 No. 2. A regularly appearing bulletin may be made a strong asset for any society and the document here noted is a good example of how it may be done. There can be no question about the interest such a publication will create among the dahlia fanciers and enthusiasts and its influence for the upbuilding of the Dahlia Society. There are eight pages of pertinent matter including a complete list of the members of the society.

Bulletin of The New York Botanical Garden, Vol. 9, No. 33, has been issued under date of March 20, 1916. It is a very complete document, giving the reports in full of the various officials for the year 1915. In the report by George V. Nash, head gardener, we learn that the collections in the herbaceous grounds are rapidly growing and now embrace no less than 3,095 species and varieties. In the conservatories the collections of tender plants number about 9,240 species and varieties. Large additions have been made during the year in the pinetum, deciduous arboretum, and fruticetum. Over 31,000 bulbs were planted in the decorative beds.

Nebraska Horticulture, Vol. 6, No. 1, for March, 1916, is a volume of 276 pages, filled with good practical matter for the advancement of horticultural knowledge and development of gardening taste in that big state. J. R. Duncan, secretary of the Nebraska State Horticultural Society is editor of this volume which is published monthly at the State Capitol Building, in Lincoln. We note with pleasure that differing from the tactics of most of the western state societies the Nebraska society devotes its energies to all phases of horticulture—orcharding, small fruits, market gardening, floriculture, home gardens, forest planting, etc. Nebraska is to be congratulated on having an organization so broad gauge in its activities and in the years to come the horticultural prosperity of the state will surely bear testimony to the wisdom, foresight and liberality of the pioneers.

How to Grow Roses. Published by the Conard & Jones Co., West Grove,

Pa. Twelfth edition revised and enlarged. Here is a book which will delight the heart of any rosarian. Seldom do we find so much "meat" compressed in a 122-page book as in this comprehensive little volume. Every phase in the literature, science, culture and general knowledge of the Queen of flowers is covered in a concise straightforward manner. For the beginner in the growing of roses we should unhesitatingly recommend this work as the one he should first procure for it answers about every question and problem that will confront him and by the time he has fully learned and put into practice the information and advice found in it he will be the possessor of a rose garden of which he may be proud.

In perusing its pages we find one item alone on which we would raise a question. In the list of Wichuraiana hybrids the variety Lady Gay is classed as synonymous with Dorothy Perkins. Well authenticated history as to the origin of these varieties and generally recognized differences in color of bloom and character of flower truss would seem to call for the author's basis for his conclusion.

There are many beautiful illustrations of which sixteen are full page size in colors. The price of the book is \$1.00. It may be ordered direct or through HORTICULTURE.

The Cherries of Japan, by Ernest Henry Wilson. This book is Publication No. 7 of the Arnold Arboretum, issued March 30, 1916. One of the objects of the Arnold Arboretum expedition to Japan in 1914 was an investigation of the Japanese cherries, a class of plants on which great confusion had hitherto existed. These cherries are of much garden importance and the disorder in their nomenclature has really cheated our gardens of much desirable material. This work by Mr. Wilson, the outcome of his journey to Japan, while technical in character will consequently prove of much value to American nurserymen and the experiment stations as showing what we have not yet got in ornamental flowering cherries and establishing a reliable nomenclature for what we already have under various names. It should awaken a greater public interest in these beautiful trees and in due time a lively demand for them. The admiration called forth by *Prunus subhirtella* var. *pendula*, of which there are now some notable specimens in the vicinity of Boston, when in bloom in early spring, is a foretaste of the coming popularity of the many other lovely species and forms which have been the glory of Japan's springtime, as soon as they become better known in this country. The publication now under review is really Mr. Wilson's *magnum opus* up to this time and it

will have a permanent place in our botanical literature. There are eight full-page pictures of cherry trees in bloom.

## CATALOGUES RECEIVED.

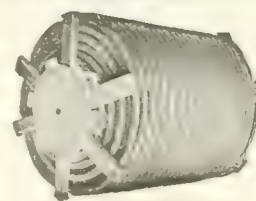
Mt. Desert Nurseries, Bar Harbor, Me.—Select List for Spring Planting. Also List of Flower and Vegetable Seeds. Two very useful and suggestive publications.

Van Gelderen & Co., Boskoop, Holland—Wholesale Catalogue for Fall, 1916—Spring, 1917. A handsome illustrated price-list for the trade of ornamental shrubs, peonies, etc.

Mount Desert Nurseries, Bar Harbor, Me.—Catalogue of Trees, Shrubs, Vines, Fruits and Herbaceous Plants for Northern Planting. This is a list of great value to the planter or dealer who wants material of assured hardiness and sturdy vigor. We are especially impressed with the illustrations in this very attractive book. They are all from photographs taken on the premises and are fine examples of photography and engraving. The cover is unique, bearing on the front page a reproduction of a Japanese painting of a pure white *Iris laevigata* on a soft blue ground.

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Rochester, Wis.—Wm. Albright, enlarging.

Natick, Mass.—James Wheeler, house 40 x 250.

Waverley, Mass.—W. W. Edgar Co., additions.

Woburn, Mass.—C. B. Johnson, carnation house.

Chatham, N. Y.—Chatham Floral Co., one house.

Lexington, Ky.—James P. Keller, range of houses.

Ladysmith, Wis.—S. E. Smith, Jr., range of houses.

Omaha, Neb.—Henry Gerber, three houses each 30 x 120.

Malden, Mass.—Neil Boyle, additions and alterations.

East Patchogue, N. Y.—Chas. Willey, vegetable house.

Buffalo, N. Y.—Mrs. Porter Norton, Gates Circle, two houses.

Roslindale, Mass.—H. J. Burowski & Son, Moninger house 40 x 150; service house 25 x 30.

Madison, Wis.—G. W. Smith, 2023 Sherman avenue, Moninger house 25 x 100.

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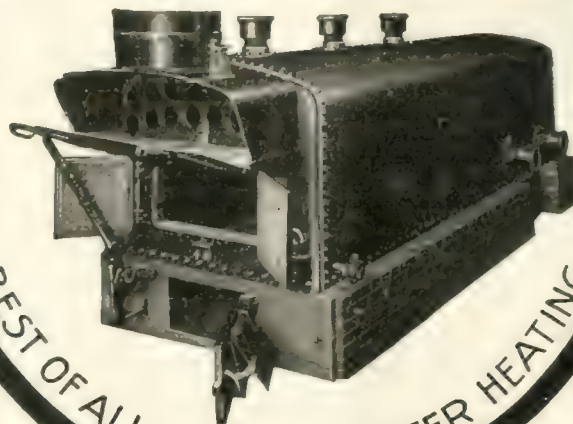
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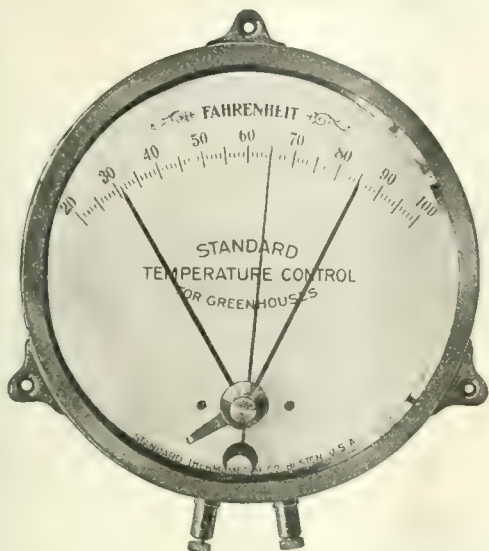
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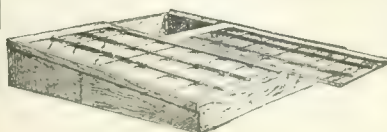
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Easter

# HORTICULTURE

Vol. XXIII

APRIL 15, 1916

No. 16



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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—Pope.

## Asparagus plumosus

When an abundance of new growth starts up it will be desirable to give the surface a sprinkling of bone meal and wood ashes, and then a mulch of cow manure and soil in equal parts put on an inch or two deep. When they have made a fairly good growth they should be given liquid manure once or twice a week during the summer, which helps to keep the soil from becoming exhausted. Bench-growing *Asparagus plumosus* that has been pretty well cut down should be kept on the dry side, by diminishing the quantity of water somewhat but not to dry the soil clear through. This will allow the plants to make a fresh start and gain strength by giving them a partial rest of three or four weeks. Damp down two or three times a day and on all suitable occasions ventilate freely. Keep them strung up and go over them often and wind the new growth around the strings.

## Callas

Callas will need to be fumigated once a week from this out as flies and thrips will now increase very fast. The one thing to be borne in mind is to ventilate whenever possible. Keep the temperature up to at least 60 degrees at night. Give plenty of water at the roots and keep up a vigorous syringing every day to keep the plants clean of thrips and red spider. Callas should now be generously fed not only with liquid manure, but good top dressing of a rich mulch on all those grown in benches.

## Cocos Weddelliana

The one imperative thing is, in giving ventilation, to avoid all cold draughts from striking these palms. The temperature of the house should run from 65 to 70 degrees at night, and in the day-time it can run up to 78 or 80. These plants require plenty of atmospheric moisture. Where such accommodation is possible they should have at least a bench for their exclusive occupancy and still better a house for themselves. When watering is done without great care the plants will soon be showing yellowish foliage which makes them stand almost stationary for weeks and even if they finally resume a vigorous growth they rarely become a profitable plant. Considerable care will have to be exercised in watering from this out. They like a nice even amount of moisture at the roots.

## Ferns

Ferns will now need lots of water at the roots. If they are in small pots they should be plunged in sifted coal ashes which will hold the moisture and prevent their drying out. Large ferns that are pot-bound can be assisted by moderate doses of liquid manure once a week. Shading should now be increased but not too heavy—just enough to prevent burning or taking the coloring out of the foliage. The general run of ferns will do well

in about 60 degrees at night. Dampen down two or three times a day, and see that they have plenty of air. Give ventilation with great care so as not to cause cold drafts. Ferns in flats should be kept up near the glass and when they become crowded they should be removed to other flats or potted up.

## 1917 Ramblers

To have fine Ramblers for next Easter get some one-year-old stock and pot them into 6 or 7-inch pots now. Use fibrous soil three parts, and one part well-decayed cow manure, adding about a 5-inch potful of bone meal to a wheelbarrow load of the mixture. Pot firmly and give them a good watering so that the whole soil will be made moist. They can be headed back quite hard, leaving 6 or 7 good eyes. Give them a bench in the coolest house where they can have plenty of light and ventilation. When they have made enough growth to indicate the strongest canes leave five or six of the best. All the other ones should be rubbed off. When the growth becomes high enough give wire stakes for support. On all good days see that they get a syringing, for if this is neglected red spider will very soon assert itself. Keep them under glass until July, during which time they will want careful attention with regard to watering, syringing, ventilating and fumigation.

## Seedlings

To promote healthy growth these will need careful ventilating, watering and spraying, always guarding against any excess. When seedlings show the character leaf they should be transplanted as soon after as possible.

Next Week: Begonia Gloire de Lorraine; Bedding Plants; Dahlias; Memorial Day; Tulips; Orchids; After Easter

## Kerria Japonica as a Pot Plant

*Kerria japonica* is not grown as a pot plant nearly as much as it should be. Soft-wood cuttings rooted June-July and potted three in 5-inch or five in 6-inch pots will make nice plants for flowering the following March-April. After potting they should be kept close in cold frames until established, gradually hardened off and plunged out doors until hard frost, then kept in cold frames or cellar until required for forcing. They may be slowly forced any time after February 1.

*Geo. W. Wyatt*

Far Hills, N. J.

Mr. Wyatt enclosed a spray of flowers which had been out nearly two weeks. He stated that a 5 in. pot will carry seven or eight like it and several smaller ones. Unlike most deciduous flowering shrubs the leaves open with the flowers which adds greatly to its beauty. The flowers seem a more brilliant yellow than those grown in the open and the effect with the light green foliage, in graceful sprays is simply charming.—Ed.

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### Competition

The Western Union Telegraph Com-  
 pany's announcement of a new service  
 for the delivery of flowers, candies, etc.,  
 at distant points has somewhat the appearance of a  
 menace to the business and growth of the Florists' Tele-  
 graph Delivery. Just how this competition will work  
 out remains to be seen, but the elimination of the florist  
 at the initial point for such business looks ominous. The  
 Florists' Telegraph Delivery has been worked up by  
 slow and laborious stages and we should be sorry to see

it lose out of the ground which its persistent endeavor  
 has won for it. But competition is always ready to jump  
 in, and it is to be hoped that it will be met in any line of  
 activity with a spirit of fair play and courtesy, wherever our  
 toil may be.

THE HORTICULTURE and Easter Sunday  
 Joyous and it is our pleasure to extend greetings  
 Easter to the trade and cordial good wishes for a  
 successful business in the goods which

count for so much in making the joyous spring festival  
 what it should be. The tardiness of the season this  
 spring seems quite in keeping with the late date of  
 Easter Sunday and, unless an unprecedented spell of  
 high temperature should yet intervene, the many dis-  
 advantages usually attendant upon a late Easter will  
 not intrude. Our best wish for the trade, especially  
 those firms who have chosen HORTICULTURE as a me-  
 dium in which to advertise their goods—is that their  
 product may come in exactly on time, the goods be the  
 best ever, the buyers liberal, the express companies  
 prompt, the weather perfect and, finally, the storage  
 rooms and ice chests empty and the cash box full.

The  
 triumphs of  
 1916

The two surpassing flower shows just  
 completed—one in Philadelphia and  
 the other in New York—have tellingly  
 opened our eyes to the possibilities in  
 such enterprises and added some very  
 useful experience for the benefit of those who may un-  
 dertake such in the future, in those cities or elsewhere.  
 We are yet young in the business of show management.  
 The public press on faster than our ability to keep pace  
 with them. Suitable halls for these vast displays are  
 few and far between. Schedules are puzzling and def-  
 initions and requirements far from clear for intelli-  
 gent judging of exhibits. But it is not our purpose to  
 try to point out here what may have appeared to us or  
 to others as shortcomings to be remedied. For the pres-  
 ent it is glory enough that the old perplexing problem  
 of how to make a show pay seems to have been ef-  
 fectually solved and the solving appears to have been  
 accomplished on the lines which HORTICULTURE has for  
 many years been insisting upon as the only way. It  
 has now been demonstrated that a flower show intelli-  
 gently conducted with a view to securing popular inter-  
 est and support is just as safe a proposition financially  
 as any horse show, auto show or other enterprise of like  
 character. When Philadelphia, heavily handicapped in  
 many respects, was able to make a record of 102,000  
 paid admissions—more than the combined attendance  
 at the successful New York and Cleveland shows of last  
 year—the stupendous possibilities in the way of horti-  
 cultural entertainment and education begin to dawn  
 upon us. The full returns from New York are not yet  
 in but we believe that another surprise is in store when  
 the returns are all in and it is acknowledged that in the  
 dignity and art of floral and sylvan arrangement the  
 New York exhibition has far outclassed anything hereto-  
 fore done in this country. That all this could be attained  
 in a period of less than ten years and expose no weak  
 spots or openings for amendment and elaboration is not  
 to be expected and we can confidently look for still  
 greater triumphs than those over which we now rejoice.

## ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur C. Ruzicka*

### Packing Beauties

In packing long stemmed Beauties be careful to put paper between the layers of specials as they are packed in the boxes. In using wooden boxes, one hundred to a box, and with the standard paper boxes, seventy-five to a box, twenty-five to a layer with paper between the layers is the way we have always packed them. The paper should never be omitted, for if no paper is put in the thorns are bound to puncture the leaves badly, thus making the roses less valuable. As soon as the warmer weather sets in (we had a snow storm on the 8th and 9th, snow still on the ground) ice will have to be put into the boxes, and surely no place depending on a home supply will be short of natural ice this coming summer. In icing use wooden boxes; crush the ice to pieces about the size of walnuts and scatter them among the stems of the roses at the foot of the boxes. Care should be taken not to have the ice come in contact with the buds, as they would be apt to spot badly. Use plenty of paper lining as this will help to keep the roses cool and they will arrive in a much better condition. Do not lay the buds too close to the end of the box and be sure to put in a tissue paper cushion between their heads and the end of the box. It is also well to tie them fast by putting a rope around the bottom of the box on the outside and running it through the sides, and tying the ends together over the stems of the specials. This will keep them from sliding around and getting broken and bruised. This same thing can be done in packing the long grades of the Tea roses, for they break even easier than the Beauties and they certainly show the bruises more. Avoid lining the boxes with waxed paper, for this makes ideal sliding grounds and as soon as the box is moved the roses slide at once. With paper going up, it is almost as well to use only newspaper in the boxes, putting only a sheet of manilla paper around the heads.

### Watering Potted Stock

It will be necessary to watch the potted plants very closely for they will dry out very quickly on the bright sunny days when the ventilators are up and the air in the house quite dry. The plants in the edge rows will dry out first and they may have to be watered even though no water is given to the rest. When the whole batch is to be watered water the edge rows first and then water all the plants, so that the front rows will get two waterings. This will make them about even, for the soil in the first few rows of pots being drier than the rest, will shed the water more, and it will run right through without saturating the soil thoroughly. In watering use a rose nozzle and not very much pressure. Beginning with the first rows water these all the way across the bench and come back with the next two. Do not skip all over the bench as it is impossible to water evenly in this way. To keep the plants watered evenly is a great item in successful propagation, so it is necessary to be very careful. Careful potting will help a great deal for if the pots are all filled up to the same point the remaining space will be the same, and if these spaces are filled evenly with water there should not be much difference in the moisture in the different pots. Mixed pots should never be used for potting roses, as some of

them are hard, some soft, some porous and others not, and the result will be that the plants will never be even.

### Syringing Young Beauties

Great care will have to be taken in syringing young Beauties, especially those which have been potted into fours, and have grown quite tall. If this work is done in a haphazard fashion, many of the plants will be knocked loose in the pots and will lay down, after which it will be impossible to keep them free from spider. They will also grow weak and spindly, thus rendering them useless for growing on. By careful syringing, using a steady spray with slow side to side motion, no harm will be done and the plants can be kept free from insects. If there are any that are too tall for the pots they should be tied to a hyacinth stake or something similar to help hold them in place. All syringing should be done as early in the morning as possible so that the plants will have every chance to dry off before night. It is very easy to get a dose of spot into potted Beauties, and it is very hard afterwards to get rid of it. To protect against this, and to insure stronger growth, space the plants if at all possible, sinking the pots about half into the ashes to keep them from drying out too fast and from falling down when syringing. This method will take up a great deal of space but it will pay in the long run, as plants thus grown will be of much better quality and have far more vitality than if crowded together any old way. It will be necessary to syringe four-inch stock from both sides and every time there is a chance for the young plants should be kept clean at all costs.

### Watering Asparagus and Smilax

These two greens will take a lot of water, especially if they are growing at all well. Unlike roses, they enjoy a warm moist atmosphere and to give them this it will be necessary to dampen down the walks in the cross houses three or four times a day in addition to the watering. They will take water about every other day if there is nothing wrong with the drainage, and if there is it will be as well to water them anyhow from now on, thus insuring a good supply of fresh water for the plants at all times. Plenty of feed can be applied either in the form of liquid manure, mulch or sheep manure, tankage, bone, almost anything that has plenty of food in it. A little nitrate of soda sprinkled over the benches when the tops of the plants are dry will help a good deal, but too much should not be put on at one time. The plants should not be dry at the root, but their tops or foliage must be dry or the fine particles of soda will stick to them and burn them badly. Watch out for spider on the plants from now on, for if it should get into them it will nearly ruin either smilax or asparagus, as it is difficult to clean them out once they gain a foothold. Fumigate regularly too, for both asparagus and smilax are often used in decoration of dinner tables and it is no credit to the flower trade to have insects crawl out on the table from the greens.

### Keep the Bench Fronts Mulched

The mulch applied to the benches will dissolve very rapidly along the front and unless more is applied the plants will suffer from exposure. We apply three coats of mulch to the bench fronts where the rest get only one. At times some of the front benches, or the top benches in the old three-quarter span houses, need the mulch much sooner than the rest of the house. In that case apply it. At this time of the year it will not matter so much. It is only in the fall that it is best to keep the whole house even if it is possible. Feed the plants all they will take being only careful not to use material containing too much nitrogen, as this would make the growth soft, and likely cause a dose of mildew.

# INTERNATIONAL FLOWER SHOW

Grand Central Palace, New York

Following up our remarks last week on the character and scope of this exhibition which continued until Wednesday night of the present week we are glad to be able to state that every promise held out in the opening day, was more than fulfilled and those who predicted a record breaking outcome have the pleasure of knowing that their judgment has been fully ratified in the results and in the endorsement of every visitor. Many who attended the previous show at Philadelphia and felt that their time would not justify a longer absence from business express great regret that they did not wait to see this remarkable exhibition which touched the highest pinnacle yet reached in artistic completeness. But we believe it to be only a stepping stone to even better things and greater triumphs, not necessarily in New York but wherever the ambition, the will and the ability are present. Progress is the order of the day and New York has done her part nobly and effectually.

The big sensation of Friday afternoon was the visit to the show by ex-president Roosevelt. He was received with tumultuous acclamation by a dense throng outside and inside of the hall. Hands were stretched out to him on all sides. The escort and a hard task to press back the crowd, and the party fought its way upstairs. The officers of the show, F. R. Pierson, chairman; John Young, secretary; Frederic R. Newbold, treasurer; R. G. Holloman, and G. E. M. Stumpp, received Colonel Roosevelt at the door, and Mr. Stumpp presented him with a red, white and blue boutonniere. Commissioner Woods asked the Colonel on the way up to the Tea Garden, how it seemed to be so popular. "I might say, with the Duke of Wellington: 'How they will yell when I am hanged,'" returned Mr. Roosevelt.

The Colonel was much impressed with the exhibition, said it was better than last year and was allowed to walk over the gravel walks of F. R. Pierson's rose garden, which had taken the group status prize, a silver trophy for the best exhibit in the show. The trophy was standing in the centre of the garden and Colonel Roosevelt admired it and the flowers. "This garden would look fine at Oyster Bay," he said.

The class for dinner table decoration by New York hotels brought out but three competitors—the Manhattan, Vanderbilt and Billmore—but it was easily a leading attraction of the show on Monday, the staging day. The Manhattan won the prize worthily with a piece of work of outstanding merit. It was one of the daintiest and most artistic table decorations we have ever seen. The slender central vase was filled with acacia sprays, purple and lavender iris and purple pansies, on a

base of Farleyense fern fronds. There were smaller vases arranged with yellow primroses, pansies and acacia and the corsage bouquets were of pansies yellow and purple alternating, with Farleyense fern. The boutonnières were all of white pansies. The table ware was of crystal and gold. There was no second prize but the judges voted a silver medal to the Vanderbilt table.

The orchid section was a potent attraction for the public. Julius Roehrs' big group covering 200 sq. ft., which won the first prize, was a stunner, containing a large variety of species artistically arranged. Arthur N. Cooley's entry, winning 1st in the private gardeners' class, was a most elegant group, with long arching sprays of phalaenopsis, odontoglossum and odontioda used with graceful effect. There were many sensational novelties shown by Clement Moore, gard. John P. Mossman, Hackensack, N. J. Another very rich display was staged by George Schlegel, gard. Stephen E. Milosy, his exhibit receiving honorable mention. Lager & Hurrell, as usual, were represented by a first-prize commercial group.

The greater part of the main floor was devoted to the decorative plant groups and gardens, the trade booths being arranged on the side aisles. The smaller plants, such as primulas, cyclamens, tulips, daffodils, schizanthus, etc., as well as the cut flower groups, tables, etc., were all located on the mezzanine floor, where there was an abundance of light. Cinerarias, pansies, daisies and some other material overflowed to the third floor where many visitors failed to find them.

Saturday, April 8, was sweet pea day and the displays were grand. William Sim, Cliftondale, Mass., was, as usual, the largest exhibitor and the quality of all the exhibits was very fine. The sweet pea table decorations by private growers were admirable. A more tasteful arrangement than that by Adolph Lewisohn, gard. J. Canning would be hard to imagine.

Gretna Kluis, for which a certificate of merit was awarded, is a polyantha rose of much beauty. It is in effect a "baby" form of Tausendschoen, the flowers being very similar in size, color and gradation of tints according to length of time the flowers have been open.

The cut roses staged on Thursday made a fine showing. Killarney Queen, Hadley, Ulrich Brunner, American Beauty, Ophelia and Sunburst leading in sensational interest. There were no outstanding novelties. The big rose displays by A. N. Pierson, Inc., and F. R. Pierson, were magnificent.

One of the most notable plants in the show was a *Medinella magnifica*, which was the central feature of Julius Roehrs' 1st prize group of flowering and foliage, stove and greenhouse plants, covering 300 square feet. The *Medinella* was a superbly bloomed specimen and, indeed, the entire group was far above the ordinary.

The carnations were staged on Friday, April 7, Cottage Gardens, Queens, N. Y. and A. A. Pembroke, Beverly, Mass., being the most liberal contributors of blooms. The silver medal for new variety not in commerce was won by Cottage Gardens' Cottage Maid.

The German Ambassador, Count von Bernstorff, was the guest of honor on Saturday afternoon at the Grand Central Palace. The German War Relief Committee shared the receipts of the tea garden with the New York County branch of the American Red Cross.

The Tausendschoen rose has now taken its place as the most useful of all the rambler class for garlanding rustic bowers and fences. Without it the rose gardens would have been robbed of much of their beauty.

The recent progress in hydrangea culture was well evidenced in the wonderful groups of blue, white and pink specimens of the new French varieties staged by Fritz Dressel, Julius Roehrs Co., and others.

The customary dinner to the judges was given on Wednesday evening, April 5, at the Manhattan Hotel. A large number of other invited guests were present and the occasion was one of unusual jubilation.

James Bell, gardener for C. K. G. Billings, was awarded the National Association of Gardeners' medal for the most meritorious exhibit made by a private grower for six plants of schizanthus.

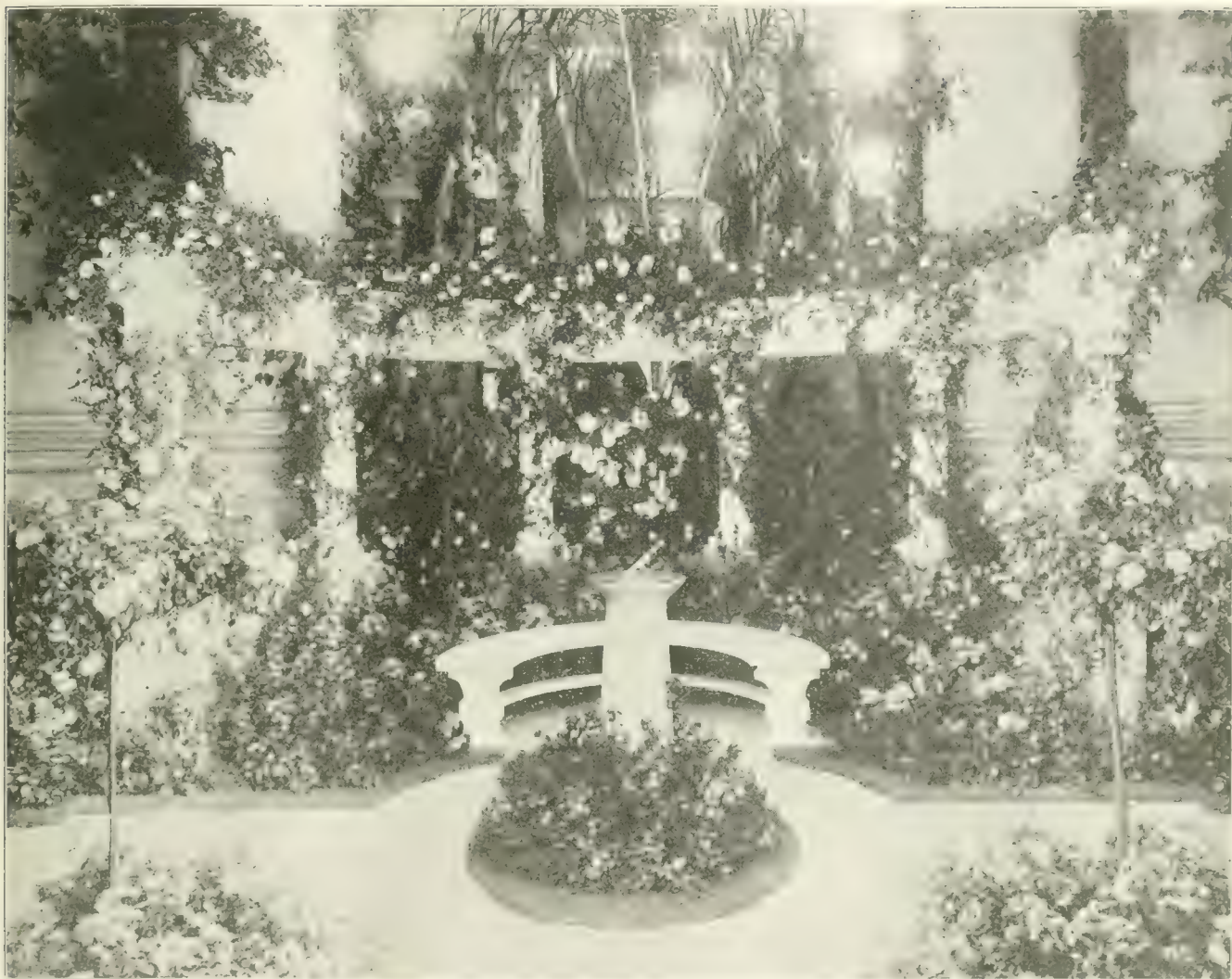
The Department of Parks sent a very large and stately group of plants of all the greenhouse classes. It was skillfully arranged and added greatly to the general effect of that section of the hall.

In our estimation one of the most beautiful plants in the whole exhibition was James Stuart's specimen *Genista Andreanum*. It was a graceful fountain of gold and bronze.

On Friday morning, April 7, George V. Nash of the New York Botanical Garden delivered a lecture with illustrative slides, on Water Gardens and the Reclamation of a Swamp.

The beautiful narcissus Van Waveren Giant which was so much admired in the New York show is said to be also on the market under the name of Hillegom Giant.

The rich collection of sweet peas



PERGOLA IN ROSE GARDEN OF F. R. PIERSON CO., TARRYTOWN, N. Y.

which won 1st prize for P. M. Warburg, were the product of Boddington's Reselected Winter Flowering Spencers.

The cyclamens were of the finest quality ever seen in a New York show. As one-year-old plants they would be hard to beat.

The amaryllis groups made a gorgeous color effect and attracted much vociferous admiration from the visitors.

The famous General DeWet tulip was a conspicuous feature of the Thorburn trade exhibit.

The "allied interests" did a lively business in their booths on the mezzanine floor.

We have never seen finer mignonette than that exhibited by August Sauter of Nyack.

#### LIST OF PRIZE AWARDS.

(Continued from p. 51, April 11, 1916.)

##### Plants in Flower—Private Growers.

Twenty-five Cyclamen plants: 1st, Adolph Lewisohn; 2d, Mrs. F. A. Constable.  
Twelve Cyclamen: 1st, Ralph Pulitzer; 2d, Adolph Lewisohn.  
Chorizanthe: 1st, F. E. Lewis, Ridgefield, Conn.  
Erica: 1st, F. E. Lewis.  
Genista: 1st, F. E. Lewis; 2d, Percy Chubb.  
Three Hydrangea plants: 1st, Wm. Ziegler, Jr.

Hydrangea, specimen: 1st, Wm. Ziegler, Jr.; 2d, G. B. Barrow.

Six Lilac plants: 1st, Mrs. H. Darlington; 2d, Adolph Lewisohn.  
Marguerite: 1st, Belleview Farms, New Brunswick, N. J.; 2d, W. B. Thompson.  
Primula malacoides: 1st, Ralph Pulitzer; 2d, Adolph Lewisohn.  
Primula obconica: 1st, Ralph Pulitzer; 2d, Adolph Lewisohn.  
Six Schizanthus: 1st, C. K. G. Billings, Oyster Bay, N. Y., gard. James Bell; 2d, W. B. Thompson.

##### Cut Roses—Private Growers.

Twelve American Beauty: 1st, Mrs. Olive Hoyt, Stamford, Conn., gard. Jas. Foster.  
Mrs. George Sawyer: 1st, Mrs. J. Crosby Brown; 2d, W. B. Thompson.  
Mrs. Charles Russell: 1st, W. B. Thompson.  
Pink Killarney: 1st, Mrs. F. A. Constable, gard. Jas. Stuart.  
Radiance: 1st, Daniel Guggenheim; 2d, W. B. Thompson.  
Sunburst: 1st, Mrs. J. Crosby Brown; 2d, W. B. Thompson.  
Any other disseminated variety, red: 1st, Howard Gould; 2d, Hamilton Farms, Gladstone, N. J.  
Twenty-five in vase: 1st, W. B. Thompson; 2d, Mrs. F. A. Constable.  
Display: 1st, W. B. Thompson; 2d, Hamilton Farm, gard. J. Walker.

##### Carnations—Private Growers.

Twenty-five white: 1st, Conveys Manor; 2d, D. G. Reid.  
Flesh pink: 1st, D. G. Reid; 2d, Mrs. S. H. Thompson.  
Light pink: 1st, W. B. Thompson; 2d, Peter Hauck, Jr.  
Dark pink: 1st, D. G. Reid; 2d, Belleview Farm.  
Red or scarlet: 1st, Hamilton Farm.  
Crimson: 1st, Mrs. E. S. Bayer; 2d, Conveys Manor.  
White variegated: 1st, Mrs. S. H. Thompson; 2d, F. E. Lewis.  
Yellow: 1st, Mrs. Payne Whitney; 2d, Mrs. H. Darlington.

Any other color: 1st, L. L. Benedict; 2d, Howard Gould.

##### Sweet Peas—Private Growers.

Display, 25 sq. ft.: 1st, Hon. P. M. Warburg; 2d, Bellefontaine Gardens, Lenox, Mass.  
Collection: 1st, P. M. Warburg, Hartsdale, N. Y.; 2d, D. G. Reid.  
One hundred sprays arranged for effect: 1st, Mrs. C. Bradley, Convent Station, N. J.; 2d, D. G. Reid.  
Dinner table decoration, sweet peas exclusively: 1st, Adolph Lewisohn; 2d, Mrs. H. Darlington.

##### Violets—Private Growers.

1st, Mrs. Ida E. Bliss, Great Neck, N. Y.; 2d, E. L. Meyer, Huntington, N. Y.

##### Plants in Flower—Private Growers.

Six hydrangeas and hydrangea specimen: 1st in both, Wm. Ziegler, Noroton, Conn., gard. A. Bieschke.

##### Bulbous Plants—Private Growers.

Display, 200 sq. ft.: 1st, D. G. Reid; 2d, Mrs. H. Darlington.  
Tulips, Gen. DeWet: 1st, Mrs. Payne Whitney, Manhasset, N. Y.; 2d, George Ferguson.

##### Table Decorations—Private Growers.

Staged Tuesday, April 11.  
1st, Mrs. C. Bradley, Convent Station, N. J., gard. David Francis; 2d, Adolph Lewisohn, Ardsley, N. Y., supt. J. Canning; 3d, Jas. Fraser, Morristown, N. J.; silver medal to E. L. Meyer, Huntington, N. Y., gard. Wm. G. Ellis.

##### Cut Roses—Commercial Growers.

One hundred American Beauty: 1st, Louis A. Noe, Madison, N. J.; 2d, F. R. Pierson Co.  
One hundred Killarney Queen: 1st, Bedford Flower Co.; 2d, F. R. Pierson Co.  
Fifty American Beauty: 1st, Louis A. Noe; 2d, F. R. Pierson Co.  
Mrs. Charles Russell: 1st, French & Salm, Union Grove, Wis.



ROCK GARDEN BY JULIUS ROEHRS COMPANY, RUTHERFORD, N. J.

Optical 1st, Robert Simpson, Clifton, N. J.  
 Francis Scott Key 1st, F. R. Pierson Co.; 2d, A. N. Pierson, Inc.  
 Pink Killdeer 1st, A. N. Pierson, Inc.  
 2d, F. R. Pierson Co.  
 White Killarney 1st, A. N. Pierson, Inc.  
 2d, F. R. Pierson Co.  
 Richmond 1st, F. R. Pierson Co.  
 Sundown 1st, L. B. Coddington  
 Mrs. Arthur Ward 1st, Robert Simpson  
 2d, A. N. Pierson, Inc.  
 Any other disseminated variety: pink, 1st, Robert Simpson; 2d, Floral Nurseries.  
 General display, 260 sq. ft.: 1st, A. N. Pierson, Inc.; \$250; 2d, F. R. Pierson Co., \$200.

#### Carnations—Commercial Growers.

One hundred white 1st, Cottage Gardens Co.; 2d, A. A. Pembroke, Beverly, Mass.  
 Flesh pink: 1st, A. A. Pembroke; 2d, Cottage Gardens.  
 Light pink: 1st, Cottage Gardens; 2d, A. A. Pembroke.  
 Dark pink: 1st, A. A. Pembroke; 2d, Cottage Gardens Co.  
 Red or scarlet: 1st, M. Matheon; 2d, Cottage Gardens Co.  
 Crimson: 1st, J. R. Minott, Portland, Me.  
 White variegated: 1st, E. F. Lieker, Lansdowne, Pa.; 2d, A. A. Pembroke.  
 Yellow: 1st, A. A. Pembroke.  
 Fifty, one variety, any color: 1st, Cottage Gardens Co.; 2d, Herbert Schwarz.  
 Fifty, any new variety not in commerce: 1st, Cottage Gardens Co.; 2d, Cottage Maid.  
 Display of 100, 1st, Cottage Gardens Co.; 2d, Strout's, Biddeford, Me.

#### Sweet Peas—Commercial Growers.

One hundred peas 1st, 1st, Wm. Sim; 2d, John M. Barker; 2d, A. F. Jackson.  
 White: 1st, A. E. Jackson; 2d, S. Van Riper, Dundee Lake, N. J.  
 Blue or purple: 1st, Wm. Sim; 2d, John M. Barker; 2d, A. F. Jackson.  
 Red or crimson: 1st, John M. Barker; 2d, Wm. Sim.  
 Cream pink: 1st, Wm. Sim; 2d, R. M. Eisenhardt, Forrestdale, Pa.  
 Light lavender: 1st, Wm. Sim; 2d, S. Van Riper.  
 Dark lavender: 1st, Wm. Sim.  
 Pink or salmon: 1st, R. M. Eisenhardt; 2d, Wm. Sim.  
 Orange: 1st, John M. Barker; 2d, Wm. Sim.

Any other color 1st, R. M. Eisenhardt; 2d, Wm. Sim.

The following were omitted from the classes reported last week:

#### Violets—Commercial Growers.

Display of single violets 1st, Richard Langley, White Plains, N. Y.  
 Display of double violets 1st, Frank Lowe & Son, Rhinebeck, N. Y.

#### Miscellaneous Plants—Commercial Growers.

Group, 200 sq. ft. arranged for effect 1st, Julius Roehrs Co.  
 Begonias, Phil. Savoy, Secaucus.

#### Bulbous Plants—Open Class.

Display arranged as a Dutch bulb garden 200 sq. ft. 1st, \$250, John Scheepers & Co.

#### SPECIAL AWARDS.

L. R. Pott, H. Terra, N. Y., for best silver trophy of the International Garden Clubs for the best exhibit in the exhibition.

Certificates of Merit, Secaucus Exotic Nursery, box trees; R. G. Wilson, Brooklyn, N. Y., new Pteris Kluis & Smith; Gretna Kluis; Nippon Gardens, figure of Ivy and Euonymus; Mrs. Oliver Hoyt, gard., Mr. Foster, specimen Asparagus Sprengeri.

Honorable Mention Mrs. H. Darlington, Mamaroneck, N. Y., basket of lily of the valley; Ralph Pulitzer, Manhasset, N. Y., Iris germanica; Wm. Schillaber, Gazania longicauda; Clement Moore, Hackensack, N. J., exhibit of Orchid Propagation from Seed; Louis Strauss, Bay Ridge, N. Y., cactus; Florex Gardens, No. Wales, Pa., rose sprays Geo. Elger and Cede Bruner; A. N. Pierson, Inc., Cromwell, Conn., rose Newport Fairy.

Silver Medals—Mrs. J. Murray Mitchell, Tuxedo Park, N. Y., Amaryllis Hippeastrum in fancy variety; John Scheepers & Co., New York, narcissus in fancy variety; Ernest Rookpe, Highlands, N. Y., stand-ard geraniums; Geo. J. Gould, Lakewood, N. J., 50 glorioles; Wm. Zeigler, Jr., group of hydrangeas, 1 yr. old; W. E. Griswold, Lenox, Mass., vase of annual lupins; Clement Moore, Hackensack, N. J., new hybrid cattleya "Princess Patricia"; Mrs. H. Darlington, hardy English primroses; Mrs. A. M. Booth, Great Neck, N. Y., new tulip "Mrs. A. M. Booth"; Arthur N. Cooley, Pittsfield, Mass., new collection of cypripediums.

J. B. Duke, Somerville, N. J., orange trees; Max Schling, New York, rose Gretna Kluis; F. E. Lewis, Ridgefield, Conn., for Antirrhinum Crimson Queen; Mrs. J. Murray Mitchell for hybrid spireas; Mrs. Payne Whitney for new tulip Mons. Montet.

Special Mention—Mrs. Pauline Boegher, Riverdale, N. Y., Pteris Rivertonensis; Geo. Schlegel, Bay Ridge, N. Y., Euphorbia Jacquiniiflora; Wm. Zeigler, Jr., Sansevieria Zeylandica; Wm. Zeigler, Jr., new rose "Elizabeth Zeigler"; A. L. Miller, Jamaica, N. Y., double flowering orange and Ponderosa lemons; Bobbink & Atkins, Rutherford, N. J., collection of dwarf evergreens.

#### THE TRADE BOOTHS.

The trade displays, which monopolized most of the area on the side aisles, were very numerous and some of them occupied large spaces. Following is a list:

Julius Roehrs Co., Rutherford, N. J., a stately booth, finely decorated.

A. N. Pierson, Inc., Cromwell, Conn., rustic booth with superb collection of hardy ramblers.

A. T. Boddington Co., New York, sweet peas and miscellaneous bulbs.

Stumpp & Walter Co., New York, extensive display of bulbs in flower.

F. R. Pierson Co., Tarrytown, N. Y., roses in profusion, a beautiful flower show in itself.

Bobbink & Atkins, Rutherford, N. J., extensive plant display, hardy and tender.

Max Schling, New York, "The Place of Art and Flowers." Well named and one of the largest spaces occupied by one concern.

Knight & Struck Co., New York, amaryllis and hard-wooded plants.

J. M. Thorburn & Co., New York, a very extensive and gorgeous display of plants and seedmen's sundries, in charge of W. C. Rickards.

Vaughan's Seed Store, New York, bulbs and sundries.

Chas. H. Totty, Madison, N. J., florists' plants in variety.

John Scheepers & Co., New York, bulbous plants in flower.

Geo. E. M. Stumpp, New York, vases and floral novelties, a very large display.

Kottmiller, New York, retail florist booth.

Kroeschell Bros. Co., Chicago, Greenhouse heating apparatus.

W. H. Lutton, Jersey City, N. J., greenhouse building material.

U. Bar Greenhouse Co., New York, model of U. Bar construction.

Metropolitan Material Co., Brooklyn, N. Y., greenhouse section.

Hitchings & Co., New York, greenhouse construction and heating.

Davey Tree Expert Co., demonstration of tree surgery.

Bon Arbor Chemical Co., Paterson, N. J., plant food.

Lord & Burnham Company, Irvington and New York, section of greenhouse construction.

Coldwell Lawn Mower Co., Newburgh, N. Y., lawn mowers.

Kirke System, Brooklyn, N. Y., fertilizer distributor.

S. P. Townsend & Co., Orange, N. J., lawn mowers.

W. F. Leary, New Rochelle, N. Y., spraying apparatus.

Miller & Doing, self-watering flower boxes.

Alphano Humus Co., New York City, Alphano humus.

Reed & Keller, New York City, extensive display of florists' supplies.

Reade Mfg. Co., Brooklyn, weed killers.

Schloss Bros., New York, florists' ribbons.

National Floral Corp., New York, system for flower delivery.

Revere Rubber Co., Chelsea, Mass., rubber hose.

Fulper Pottery Co., New York, exhibit of vase craft.

American Seed Tape Co., New York.

Electric Fountain Co., New York.

Lewis & Valentine, landscape contractors.

Matthews Garden Crafts, Cleveland, O.

Doubleday, Page & Co., New York, literature.

Chronicle Press, Jersey City, N. J., Gardeners' Chronicle.

A. T. Delamare Ptg. & Pub. Co., New York, publications.

#### EXHIBITION AT LOWELL, MASS.

The second annual flower show under the auspices of the Lowell Board of Trade and Middlesex Women's Club and the florists and nurserymen of Lowell and vicinity, was held at Colonial and Middlesex Halls on April 7 and 8. Admission was free to the public and the attendance was very large. The display was the most brilliantly beautiful spectacle ever presented in Lowell. As compared with the flower show of a year ago, this year's exhibition was larger, more complete, better arranged and far more attractive. The orchestra, screened behind banked palms on the stage, added much to the enjoyment of the occasion.

Among the florists contributing were Harvey B. Greene, plants and flowers; Backer & Co., Billerica Centre, carna-

## CLUBS AND SOCIETIES

### Meetings Next Week

#### Monday, April 17.

Detroit Florists' Club, Bend Floral Hall, Detroit, Mich.

Houston Florists' Club, Chamber of Commerce Rooms, Houston, Tex.

New Jersey Horticultural Society, Orange, N. J.

#### Tuesday, April 18.

Gardeners' and Florists' Club of Boston, Horticultural Hall, Boston, Mass.

Gardeners' and Florists' Club of Ontario, St. George's Hall, Toronto, Can.

Lake Geneva Gardeners' and Foremen's Association, Horticultural Hall, Lake Geneva, Wis.

Minnesota State Florists' Association, Minneapolis, Minn.

Pennsylvania Horticultural Society, Horticultural Hall, Philadelphia, Pa.

#### Wednesday, April 19.

Rhode Island Horticultural Society, Public Library, Providence, R. I.

Horticultural Society of New York, American Museum of Natural History, New York City.

Dutchess County Horticultural Society, Poughkeepsie, N. Y.

#### Thursday, April 20.

Essex County Florists' Club, Krueger Auditorium, Newark, N. J.

New Orleans Horticultural Society, Association of Commerce Bldg., New Orleans, La.

North Westchester County Horticultural Society, Mt. Kisco, N. Y.

Tacoma Florists' Association, Macabee Hall, Tacoma, Wash.

#### Friday, April 21.

North Shore Horticultural Society, Manchester, Mass.

#### Saturday, April 22.

Dobbs Ferry Gardeners' Association, Dobbs Ferry, N. Y.

#### COMING EXHIBITIONS.

May 10-11, Boston, May Show, Massachusetts Horticultural Society, Horticultural Hall.

June 1-4, Pelham Bay, New York, Summer Show, International Garden Club.

#### FLORISTS' CLUB OF WASHINGTON.

The growing abuse of the charity of the florists was the principal topic of discussion at the April meeting of this Club. The complaint has been made that an increasing number of people are taking advantage of the florists by baiting one against the other in the effort to secure donations of money and flowers for this or that purpose. The practice has come to be of such magnitude as to form a factor in the overhead expense account. It was suggested that rules be adopted whereby no member shall make or consider any donation or subscription scheme of any kind unless the same shall have the approval of the advertising committee.

Not only are the florists the victims of those who ask donations of flowers, or who even ask them to provide decorations, but they are continually called upon to advertise in mediums of doubtful value, and there is also the third scheme of selling them tickets under which they are parted from their rightful earnings. The rules will be extended to cover these schemes also. As a part of the plan, placards bearing the rules are to be distributed to be hung in conspicuous places in the stores.

There was a considerable talk on malpractice with respect to gardening following remarks by Harry B. Lewis, of the Department of Public Buildings and Grounds, wherein he told of how a thirty-foot Rambler had been so badly mutilated by would-be gardener that it would require fully ten years for it to be returned to its former beauty. He declared that the people of the city should be warned against employing the services of men who do not understand the business.

#### HOLYOKE AND NORTHAMPTON GARDENERS' AND FLORISTS' CLUB.

The regular monthly meeting was held April 4th with F. D. Keyes and son, Florence. The topic was Easter Plants, which was handled by Harold Keyes in a comprehensive manner. A good discussion ensued. Messrs. Thurston and Sinclair entertained the less fortunate members with descriptions of the National Flower Show.

Exhibits were made by Keyes & Son, who staged some extra good callas, a pink sport of carnation Enchantress, and *Primula obconica gigantea*. Butler & Ullman showed *Hydrangea Radiant* and sweet pea Yarrowa. G. H. Sinclair showed Silver Pink snapdragon in top form. H. E. Downer showed plants of *Nemesis strumosa* Suttoni, an easily grown annual which should make a useful pot plant for the florist.

H. E. D.

#### NEW YORK FLORISTS' CLUB.

The April meeting last Monday evening was the slimmest on record for many a year, only twenty-five members attending. All business except the nomination of new members was shunted over until the May meeting. Three applications were received

tions; John S. Haynes' estate, plants and floral decorations; R. P. Christofferson, So. Lowell, roses; H. J. Chandler & Sons, Tewksbury, carnations and other flowers; F. P. Putnam, North Tewksbury, carnations, palms, etc.; Albert Roper estate, North Tewksbury, carnations; Shepards' Garden Carnation Co., carnations; Patten & Co., Tewksbury Centre, carnations, antirrhinums, Godfrey callas, etc.; John T. Gale, Tewksbury Centre, violets, sweet peas, lilies, etc.; H. L. Shedd, So. Lowell, carnations; Morse & Beals, Easter plants and flowers.

Middlesex Hall was devoted to the nursery exhibits. Here were Robin Hall Nursery, So. Chelmsford, J. J. McManmon, Dracut, and others; also Ervin E. Smith Co., Adams Hardware & Paint Co., Thompson Hardware Co. and W. T. S. Bartlett, showing seeds and garden sundries.

Melrose, Mass.—A. M. Tuttle has purchased several acres of land on Water street, to be used for nursery purposes.

# NEW ORCHID COLORED SWAINSONA

MRS. JOSEPH MANDA

AWARDED—First-Class Certificate, New Jersey Floricultural Society—Certificate of Merit, Horticultural Society of New York—Certificate of Merit, New York Florists' Club—Certificate of Merit, Morris County Gardeners' and Florists' Society.

This new variety of Swainsona is a great improvement over the old alba and rosea, producing larger spikes of flowers. It can be most effectively used as a bedding plant.

75c. each

\$7.50 a dozen.

\$50.00 a hundred.

## JOSEPH MANDA

Orchid Expert, Seedsman and Florist - - - - - WEST ORANGE, N. J.

*Liberal Discount to the Trade*

and then the meeting adjourned at 8:15 P. M. and all joined themselves to the 12 show in the Grand Central Palace.

### CLUB AND SOCIETY NOTES.

The Paterson (N. J.) Floral Society at its meeting on April 5 appointed a committee to prepare a schedule for a show in June.

At the meeting of the Cincinnati Florists' Society on Monday evening at Hotel Gibson, R. Witterstaetter, who presided, gave an interesting talk on the Philadelphia Show.

At the meeting of the Lenox (Mass.) Horticultural Society on Wednesday night, April 12, J. Frampton read an essay on "The early masters of the garden art." This was Carnation Night and some nice exhibits were staged.

The Chicago Florists' Club meeting on Thursday, April 6, was uneventful, the chief interest centering in the raffling of a silver punch bowl, which was one of the prizes purchased by the Greenhouse Construction people for the last flower show, and was not awarded. The lucky winner was A. Benson, Downer's Grove, Ill., formerly orchid collector for Poehlmann Bros. Co., and now with J. H. Kidwell & Co., Peter Kohl, of Morton Grove, and Edw. E. Schmeltekopf, Park Bridge, was elected to membership.

At the meeting of the Pittsburgh Florists' and Gardeners' Club on April 4th two blooming plants were shown, one a Clarkia elegans and the other a Schizanthus, each five feet high and a mass of bloom, showing the wonderful possibilities in these plants for greenhouse culture. M. Curran, of Sewickley, the exhibitor, received a first class certificate for the Clarkia.

Jas. Murphy of Sewickley received a certificate of merit for calceolarias and a first-class certificate for a new snapdragon. Cultural certificates were awarded to Neil T. Forsyth for Formosa lily, seven feet high, and Carl Becherer, for a Gloxinia.

As it is near the 25th anniversary of the founding of the Club there was some talk as to the proper way in which to celebrate it. A banquet held in connection with a chrysanthemum show was one of the tentative propositions.

Messrs. Falcouer and Ludwig who had attended the Philadelphia Flower Show gave their impressions, which were very favorable.

H. P. JOSLIN, Sec'y.

### COVER ILLUSTRATION

The sweet little lady whose portrait appears on our Easter cover, is the daughter of Mr. and Mrs. A. D. Wemple, of Albany, New York. Mr. Wemple has been for many years in charge of the office in the flower store of H. G. Eyres on North Pearl St., Albany. Little Elizabeth loves flowers.

Admiral Aaron Ward has given the use of his garden at Roslyn, N. Y., for June 8 to the American Ambulance Committee for an entertainment in the interest of the American Ambulance Hospital at Neuilly, France. E. H. Wilson, of the Arnold Arboretum, will lecture on Roses. Last year on a similar occasion enough money was made to buy and support an ambulance for the entire year. Mrs. Robert Bacon is chairman of the ambulance committee in this country.

### OBITUARY.

Charles W. Ross.

Charles W. Ross, for 25 years previous to 1914 street commissioner of Newton and a former state highway commissioner, died on April 11 at his home in Newton Center, Mass. He celebrated his 67th birthday a little more than a month ago. He was widely known as an authority on roads and highways and in 1914, after 25 years of service, resigned as street commissioner of Newton.

### NEWS NOTES.

Rockland, Mass.—W. H. Wyman, of North Abington, has acquired 30 acres of land on Summer street, which will be devoted to nursery use.

Toledo, Ohio—W. C. Knowles of Portchester, N. Y., has purchased the greenhouses formerly owned by S. Peek and will conduct them himself, doing a general florist business.

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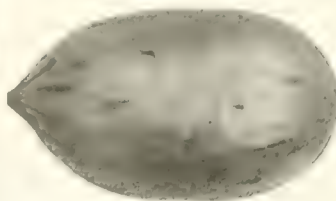
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## CRIMSON AND SCARLET CANNAS

	Per 100	Case of 250	1000
A. Bouvier, 5 ft. dark crimson.....	\$1.85	\$3.75	\$15.00
Beaute Poitevine, 3½ ft. dark crimson....	2.75	6.25	25.00
Black Prince, 3 to 4 ft. dark velvety maroon.....	2.75	6.25	25.00
Cherokee, 4 ft. deep rich maroon.....	1.35	3.00	12.00
Duke of Marlboro, 4½ ft. glowing crimson. 1.50	3.50	14.00	
Mephisto, 3½ ft. the darkest crimson.....	1.35	3.00	12.00
David Harum, 3½ ft. vermillion bronze foliage.....	2.75	6.25	25.00
C. Henderson, 4 ft. bright crimson.....	1.65	3.75	15.00
Brandywine, 4½ ft. deep crimson bronze foliage.....	2.75	6.25	25.00
Furst Bismarck, 4 ft. rich scarlet crimson. 1.50	3.50	14.00	
Grand Chancellor Bulow, 3 ft. crimson scarlet, overlaid with maroon.....	1.65	3.75	15.00
J. D. Elsels, 5 ft. brilliant vermillion scarlet.....	2.25	5.00	20.00
<b>KING HUMBERT SOLD OUT</b>			
Louisiana, 7 ft. vivid scarlet.....	1.50	3.50	14.00
Meteor (Boddington's variety), 4 ft. deep crimson.....	18.00	43.75	175.00
Musafolia, 5 ft., green leaves for foliage effect only.....	1.50	3.50	14.00
Tarrytown, 3½ ft. crimson.....	2.00	4.38	17.50

## WHITE AND CREAM CANNAS

Alsace, 3½ ft. creamy white.....	\$2.25	\$5.00	\$20.00
Mont Blanc Imp., 3½ ft., almost pure white.....	3.75	8.75	35.00

All the above in strong fresh dormant roots, 2 and 3 eyes each.

## CALADIUM ESCULENTUM (Elephants Ear)

	Doz.	100	1000		Doz.	100	1000
5 to 7 in. in circumference, 200 in a case	\$0.30	\$2.00	\$17.50	10 to 12 in. in circumference, 75 in a case	\$0.75	\$5.50	\$50.00
6 to 8 in. in circumference, 200 in a case	.25	2.25	20.00	12 to 13 in. in circumference, 50 in a case	1.00	8.00	75.00
8 to 10 in. in circumference, 100 in a case	.50	3.50	30.00	Monsters, measuring 13 in. and upward in circumference, 25 in a case.....	1.50	12.00	

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## SEED TRADE

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Officers—President, J. M. Lupton, Mattituck, L. I., N. Y.; First Vice-President, Mattituck, L. I., N. Y.; Second Vice-President, Kirby B. White, Detroit, Mich.; Third Vice-President, F. W. Bolignano, Washington, D. C.; Secretary-Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O. Chicago, Ill., June 20-22, next meeting place.

### Beware Turnip Rape Seed.

Two hundred thousand pounds of turnip rape seed, or enough to sow approximately 50,000 acres, have been imported from Argentina and Japan and are being sold as winter rape. The seed specialists of the U. S. Dept. of Agriculture, therefore, are again cautioning farmers to avoid the purchase and seeding of turnip rape—which is not winter rape and is not suitable for the foliage purposes for which winter rape is grown.

The seeds of turnip rape are smaller and have a more deeply pitted surface than those of winter rape. The young plants are easily distinguished by the difference in habit of growth and the character and color of the leaves. Winter rape produces a definite stem with the leaves occurring along it at intervals. Turnip rape does not produce a definite stem, the leaves all growing in an apparent whorl at the surface of the ground. The leaves of winter rape are thick and succulent, free from hairs, and covered with a greyish bloom. The leaves of turnip

rape are thin, hairy and bright green like those of the garden turnip.

Persons purchasing rape seed may submit samples to the Seed Laboratory, U. S. Dept. of Agriculture, Washington, D. C., for determination as to whether the seed is that of the turnip rape or winter rape. Samples of both turnip rape and winter rape seed, for comparison, will be sent on application to the Seed Laboratory.

### One Week's Imports.

Imports at the port of New York, of horticultural material for the week ending March 31, were recorded as follows:

Bulbs—France, \$55; Netherlands, \$340; England, \$218.

Plants, Etc.—France, \$10,817; Netherlands, \$3,975; Norway, \$30; England, \$3,015; Scotland, \$6; Ireland, \$659; British Indies, \$20.

Red Clover Seed—France, \$15,550; Italy, \$76,082.

Grass Seed—Denmark, \$5,931; Netherlands, \$3,840; Ireland, \$2,203.

All Other Seeds—Denmark, \$273; France, \$7,091; Netherlands, \$16; England, \$7,967; China, \$1,540; Hongkong, \$66; Argentine, \$2,511.

Guano—Scotland, \$73.

Carbonate of potash—Mexico, \$1,100.

Nitrate of soda—Chile, \$220,772.

Other Fertilizers—England, \$40.

### WARNING TO MUSHROOM GROWERS.

As a result of a serious case of mushroom poisoning in a mushroom grower's family recently, the mushroom specialists of the U. S. Department of Agriculture have issued a

warning to commercial and other growers of mushrooms to regard with suspicion any abnormal mushrooms which appear in their beds. It seems that occasionally sporadic forms appear in mushroom beds, persist for a day or two, and then disappear. These are generally manure-inhabiting species and may be observed shortly after the beds have been cased. In the instance cited, however, these fungi appeared in considerable numbers at the time the edible *Agaricus campestris* should have been ready for the market, and the dealer supposed it was probably a new brown variety and tried it in his own family. As a result, five persons were rendered absolutely helpless and were saved after several hours only through the assistance of a second physician who had had experience with this type of poisoning.

In the opinion of the Department, this case is peculiarly significant and demonstrates that the grower must be able to distinguish *Agaricus campestris* from any of the wild forms of mushrooms that may appear in the beds. Under the circumstances, the Department strongly urges every grower to make himself thoroughly familiar with the cultivated species. Complete descriptions, with pictures of poisonous and cultivated species, are contained in Department Bulletin 175, "Mushrooms and Other Common Fungi," which can be purchased for 30 cents from the Superintendent of Documents, Government Printing Office, Washington, D. C. (The Department of Agriculture has no copies of this bulletin for free distribution.)

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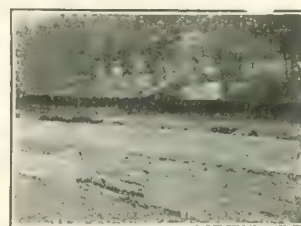
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### HOLM & OLSON, Incorporated

ST. PAUL, MINN.

## THE ROSERY

23 STEUBEN ST.

### ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY  
AND VICINITY

Members Florists' Telegraph Delivery

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J. A. VALENTINE, Pres.

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# CHICAGO Send Your Orders to WILLIAM J. SMYTH

Member Florists' Telegraph  
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Prompt Auto Delivery  
Service

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INC.  
**NEW YORK** 561 Fifth Ave.  
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**BOSTON** 1 Park Street  
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Deliveries to Steamers and all Eastern Points

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**A. GRAHAM & SON**  
5523 Euclid Ave.  
Will take good care of your orders  
*Members of F. T. D. Association.*

## WASHINGTON

915 F ST. N. W.  
**F. H. KRAMER**  
Auto delivery of Designs and Flowers to  
any address in Washington.  
Stock and Work First Class

Orders Filled Day or Night for  
**CLEVELAND**  
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Complete Stock. Regular discount to Trade.  
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**THE SMITH & FETTERS CO.**  
735 Euclid Avenue  
**CLEVELAND, OHIO**  
Flowers of Every Kind in Season

**SALTER BROS.**  
FLORISTS  
38 Main Street, West  
**ROCHESTER, - N. Y.**

**HESS & SWOBODA**  
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Telephones 1501 and L 1532.  
1415 Farnum St.,  
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**S. A. ANDERSON**  
440 Main St., Buffalo, N. Y.  
ANDERSON service means fresh, sturdy  
Stock and prompt deliveries in BUFFALO,  
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WESTERN NEW YORK.  
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The Florist Member F. T. D. Association

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Centrally Located for Deliveries in All Parts of New England.

**H. F. A. LANGE**

125,000 Sq. Ft. of Glass  
WORCESTER, MASS.

## Flowers by Telegraph

Leading Retail Florists Listed by  
Towns for Ready Reference. Orders  
transferred by telegram or otherwise  
to any of the firms whose address is  
here given will be promptly and prop-  
erly filled and delivered.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl  
St.

Albany, N. Y.—The Rosery, 23 Steuben  
St.

Albany, N. Y.—William C. Gloeckner, 97  
State St.

Boston—Thos. F. Galvin, 1 Park St.

Boston—Penn the Florist, 37-43 Brom-  
field St.; 124 Tremont St.

Buffalo, N. Y.—S. A. Anderson, 440 Main  
St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan  
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid  
Ave.

Cleveland, O.—Adam Graham & Sons,  
5523 Euclid Ave.

Cleveland, O.—Knoble Bros., 1836 W. 25th  
St.

Cleveland, O.—The Smith & Feters Co.,  
735 Euclid Ave.

Denver, Col.—Park Floral Co., 1643  
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,  
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017  
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-  
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 12 W. 28th

New York—Dards, N. E. corner 44th St.  
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth  
Ave.

New York—Thos. F. Galvin, Fifth Ave.,  
at 46th St.

New York—A. T. Bunyard, 413 Madison  
Ave., at 48th St.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415  
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25  
Clinton Ave., N.

Rochester, N. Y.—Salter Bros., 38 Main  
St., West.

St. Louis, Mo.—Fred C. Weber, 4526-28  
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-  
son Co.

Toronto, Can.—J. H. Dunlop, 8-10 West  
Adelaide St.

Washington, D. C.—Gude Bros., 1214 F  
St.

Washington, D. C.—F. H. Kramer, 915  
F St., N. W.

Washington, D. C.—George H. Cooke,  
Connecticut Ave. and L St.

Westerly, R. I.—Reuter's.

Worcester, Mass.—H. F. A. Lange.

Worcester, Mass.—Randall's Flower Shop,  
3 Pleasant St.

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"The Telegraph Florist"

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124 Tremont St., BOSTON

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Telegraph  
Delivery

STORES IN

New London and Norwich, Conn.  
and Westerly, R. I.

We cover the territory between  
New Haven and Providence  
**ST. LOUIS, MO.**

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NOTICE INITIALS. We have one store only

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**CLEVELAND**

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The Far-Famed Flowers of  
**TORONTO**

Delivered on mail or telegraph order for  
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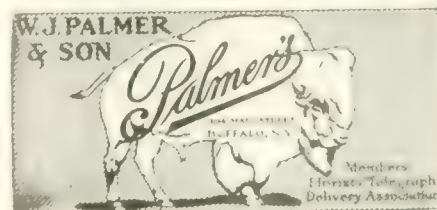
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ALBANY, N. Y.

**EYRES**  
Flowers or Design Work

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ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.



# EVERY BOY AND GIRL SHOULD HAVE A HAMILTON WATERTITE RAINY DAY OUTFIT



WELL PREPARED FOR A RAINY DAY

Protect your **BOYS** and **GIRLS** with this Outfit. **RAINCOAT-CAP SCHOOLBAG**  
Sent Parcel Post Prepaid. Price Complete, \$4.75 Sixes 4 to 16

No Boy or Girl of School age should be without the protection of this splendid School Outfit, especially when it can be purchased complete for the very low price of \$4.75. The Caps and School Bags are made from the same materials as the Coats, and make this Rainy Day Outfit exceptionally attractive. The Black and White Shepard Check trimming on our Girl's Outfit is a very handsome and attractive addition, and makes this Outfit one that both Mother and Daughter will be proud of.

## THESE OUTFITS MADE FOR SERVICE AS WELL AS APPEARANCE

The Girl's Outfit is made from a high grade Gros Grain Plaid, a single breasted with a substantial rubber coating, making it light in weight yet wind and rain proof. The Boy's Outfit is made from a strong durable material in the popular Olive shade, thoroughly waterproofed, and reinforced with a serviceable plaid lining. All seams are reinforced, strapped, and cemented, and both the Boy's and Girl's Coats have ventilation eyelets under the arms.

### Satisfaction Guaranteed or Money Refunded

We guarantee every Hamilton Watertite Raincoat to be exactly as represented, and if when it is received, it is not entirely satisfactory, it may be returned to us, and we will cheerfully refund the purchase price.

### Order Blank - C

G. L. HAMILTON & CO., INC.  
394 Atlantic Avenue  
Boston, Mass.

Enclosed find \$4.75 for a complete  
HAMILTON WATERTITE RAINY  
DAY OUTFIT, with the following  
description: 1. Boys' Raincoat, Olive  
shade, single breasted, with plaid  
lining, and 2. Girl's Raincoat, dark  
color, single breasted, with plaid  
trimming.

Give Outer Size

Give Outer Size Height

Name ....

Street ...

Town ....

State .....

## WOMEN'S AND MEN'S RAINCOATS AT FACTORY PRICES

We Save You the Jobbers' and Retailers' Profit. All Orders  
Sent Parcel Post Prepaid.

All Hamilton Watertite Raincoats are made from high grade materials, with the best of workmanship and can be depended upon for service and wear.

You run no risk in dealing with us, as our guarantee of satisfaction goes with every Coat.

All of our Women's and Men's Coats are made in the most stylish and up-to-date models, full Military Collars, Slashed Side Pockets, Sleeve Tabs, and Ventilation Eyelets under the arms.

### A FEW OF OUR FACTORY SPECIALS:

- No. 111 Men's Double Breasted Tail Coat \$5.75
- No. 112 Women's Single Breasted Gros Grain Plaid Coat Comes in Navy Blue or Covert Tan. 5.75
- No. 113 Men's Heavy Double Breasted Single Textured Coat Comes in Oxford Gray or Olive Drab. 8.75
- No. 114 Women's Heavy Double Breasted Single Textured Coat Comes in Oxford Gray or Olive Drab. 8.75
- No. 115 Men's Single Breasted Double Textured Coat Comes in Oxford Gray or Olive Drab. 10.75
- No. 116 Women's all Wool Cassimere - Single Textured Coat Comes in Oxford Gray or Olive Drab. 10.75

SIZES: WOMEN AND MEN, 34 TO 46

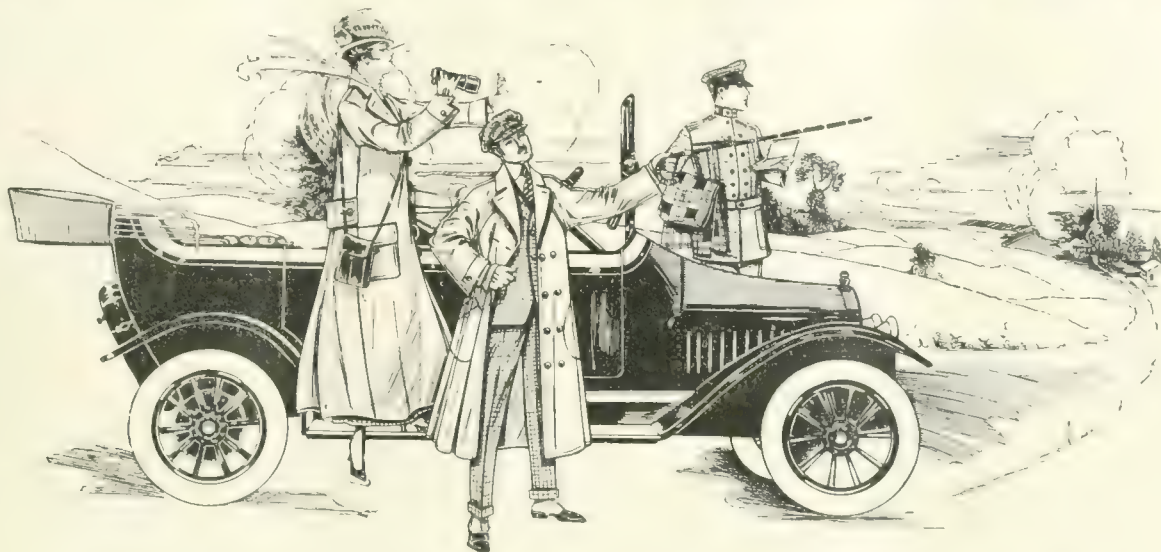
G. L. HAMILTON & CO., Inc. 394 Atlantic Ave. BOSTON, MASS.



Style No. 111—One of Our Popular Men's Coats.

Florists and Plant Growers

A NEW DISCOVERY IN FABRICS  
 A Material from which Wrinkles Disappear Without Pressing  
**THE HAMILTON NON-WRINKLE DUSTER**



**PROTECT YOUR CLOTHING WHILE AUTOMOBILING OR DRIVING**

HAMILTON NON-WRINKLE DUSTERS are made from a new fabric. The Dusters can be used in the Auto all day, placed upon a hanger at night and all wrinkles will have disappeared in the morning.

This fabric is soft in finish, heavy enough to withstand the hardest usage, yet light in weight and cool.

The fabric is linen color and is exceptionally attractive, and as it has been shrunk, the Coats may be washed when necessary, and will look like new.

The Women's Coat is made with a full skirt, single breasted, patch pockets, and collar that can be buttoned up close to the neck. It is trimmed with very attractive buttons, and has the belted back.

The Men's Coat is made double breasted, side slashed pockets, sleeve tabs, high collar, finished with attractive buttons, and has the belted back.

**SATISFACTION GUARANTEED OR MONEY REFUNDED**

We guarantee every HAMILTON NON-WRINKLE DUSTER to be exactly as represented, and if it is not entirely satisfactory when received, it may be returned to us, and we will cheerfully refund the purchase price.

Sizes Both Women's and Men's 34 to 46 **Price \$5.95** Sent Parcel Post Prepaid

We Sell Only Direct from Factory to User, Saving Our Customers the Jobbers' and Retailers' Profits. We Cheerfully Refund Your Money If You Are Not Entirely Satisfied.

**ARE YOU TROUBLED WITH MOTHS?**

Let us prevent Moth damage in your home, save you storage charges on Furs and Fur Coats, and give absolute protection to your Furs and Clothing from Moths, Germs and Dust.

*Full particulars sent on request.*

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 BOSTON, MASS.

**Order Blank - D**

G. L. HAMILTON & CO., INC.  
 Boston, Mass.

Enclosed find \$5.95 for which send me one HAMILTON NON-WRINKLE DUSTER, Parcel Post PREPAID, with the understanding that if it is not entirely satisfactory when received it may be returned, and you will refund the purchase price.

...Men's Duster Size...

Women's Duster Size...

Name

Street

Phone

State

Telegraph orders forwarded to any part of  
the United States and Canada

# Alexander McConnell

611 FIFTH AVENUE, Corner of 49th Street

Cable Address, ALEXCONNELL NEW YORK CITY

Reference or cash must accompany all orders from unknown correspondents

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We are prepared to deliver in good shape, flowers, plants  
or made up work as ordered. Florists at a distance may  
transfer their orders by mail, telegram or 'phone to us  
with the certainty of prompt and careful attention

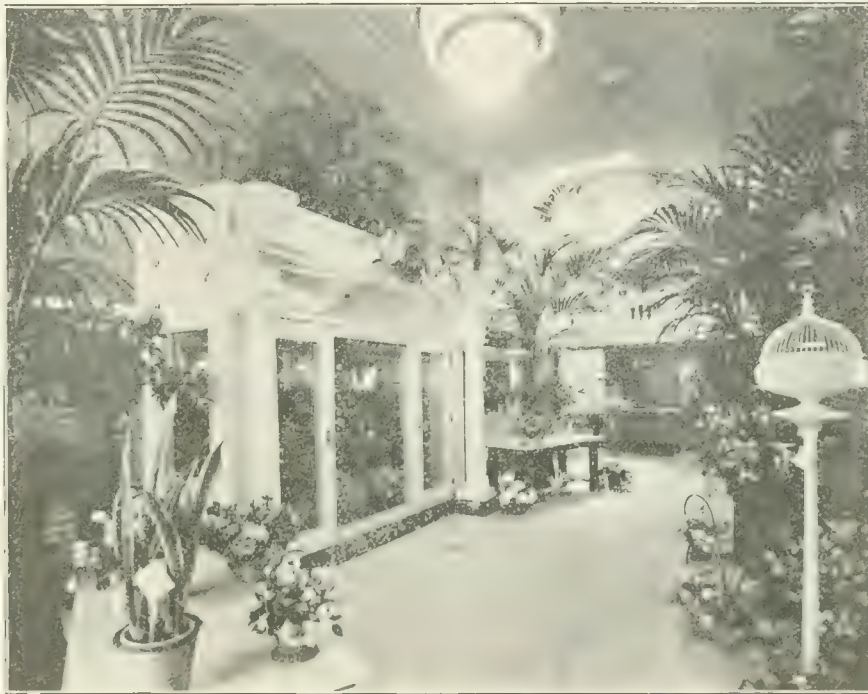
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1 Park Street Copley Plaza Hotel Boylston & Fairfield Sts.  
**BOSTON, MASS.**

Also THOMAS F. GALVIN, Inc., Galvin Building, 561 Fifth Avenue, New York

The Leading Flower Establishment of

# KANSAS CITY



Will arrange and deliver orders for flowers, plants or design work for the trade in any part of the Middle West.

All goods and service strictly first-class.

## Samuel Murray

1017 Grand Avenue, KANSAS, CITY, MO.

MEMBER OF FLORISTS' TELEGRAPH DELIVERY

# Baskets of Distinction

## FOR YOUR

# EASTER TRADE

Lovely Creations in Velour Grey, Tiffany Lavender, Imperial Blue with Florentine Floral Garlands in Pure White; Absolutely New Ideals, Our Own Manufacture, and shown for the First Time at the National Flower Show in Philadelphia where they demonstrated **Great Selling Qualities.**

Try a \$25 to \$40 selection. You'll quickly want more.

*We have everything in Dependable Easter Florists' Supplies.  
Prices moderate. Order now.*

THE FLORISTS' SUPPLY HOUSE OF AMERICA

**H. BAYERSDORFER & CO.,** 1129 Arch Street,  
PHILADELPHIA, PA.

## NEWS ITEMS FROM EVERYWHERE

### CHICAGO.

**Flowers & Seeds** who went into the growing of Russell roses exclusively, last winter, are rejoicing over the award of 1st prize on their vase of 100 at the Philadelphia show.

A. Henderson Co. has his retail seed store in good running order and the place contains about all that is needed in the garden. The wholesale business is about over, but they are still pushing the sale of gladioli, caladiums, etc.

The Alpha Floral Co. has increased the depth of its windows by two feet. This store already had the largest display windows of the "loop" flower stores. A. Cronis, of Johnson & Cronis, purchasers of the interest of the late Geo. Economopolous, says the store is doing a good business for the Lenten season. The new manager, Julius Schnapp, well known to the trade, is getting nicely settled in his work.

O. A. & L. A. Tonner has one of the busiest places in that home of busy people, the Atlas Block. The partnership was formed only this spring. One side of the store contains the cut flowers and this department has been

well established for several years. The other side has samples of florists' supplies. The baskets are attractive, including the latest shades to match the flowers. At the end is the office. Visitors will be welcomed at any time and the sight of the pecan nuts and photographs of orchards shown here by Mr. Tonner will well repay a caller.

### PITTSBURGH.

August Wilhelm Weber, who has charge of the greenhouse and grounds of Michael L. Benedum, has returned from an eastern business trip.

Mrs. Mary Averill, of Boston, spoke last Friday before the Garden Club at the home of Mrs. Roy A. Hunt, on Japanese Flower Arrangement and Japanese Gardens.

Miss Eliza McKinley, who has been away from Randolph & McClements since the first of the year owing to illness, has resumed her duties as head saleswoman for the firm.

Harry Gibson, manager, and Samuel J. Frompton and Harry Ackerman salesman for the Zieger Company have returned from the New York Flower Show. Harry E. Graves, now in California on account of a nervous breakdown, has recovered sufficiently to resume work and is in the employ of Hortines, Los Angeles.

### BUFFALO FLOWER SHOW.

One of the notable events of this season is a Flower and Fashion Show. This is being given in Buffalo by the B. P. O. Elks in conjunction with the florists. The display of carnations, roses, snapdragons, sweet peas, lilies, tulips, daffodils, narcissus, azaleas, rhododendrons, pansies, spirea and hydrangeas are without exception the finest specimens of horticulture ever beheld in this section of the country. The judges, consisting of Henry F. Elbers, of South Park conservatory, George Kayser, of Delaware Park conservatory, and Charles Keitsch, of Humboldt Park, were loud in their praise as they made the following awards:

Sweet peas—100 pink—1st, David Scott Co., 2d, C. J. G. Co., 3d, H. H. Co., N. Y. 4th, 100 white—1st, W. J. Palmer & Son, 2d, C. J. G. Co., 3d, H. H. Co., 4th, W. J. Palmer & Son, 5th, C. J. G. Co., 6th, H. H. Co., 7th, W. J. Palmer & Son, 8th, C. J. G. Co., 9th, H. H. Co., 10th, W. J. Palmer & Son. Tulips—1st, H. H. Co., 2d, W. J. Palmer & Son, 3d, C. J. G. Co., 4th, H. H. Co., 5th, W. J. Palmer & Son, 6th, C. J. G. Co., 7th, H. H. Co., 8th, W. J. Palmer & Son, 9th, C. J. G. Co., 10th, H. H. Co. Rhododendrons—1st, Charles Keitsch, 2d, H. H. Co., 3d, W. J. Palmer & Son, 4th, C. J. G. Co., 5th, H. H. Co., 6th, W. J. Palmer & Son, 7th, C. J. G. Co., 8th, H. H. Co., 9th, W. J. Palmer & Son, 10th, C. J. G. Co. Snapdragons—1st, W. J. Palmer & Son, 2d, C. J. G. Co., 3d, H. H. Co., 4th, W. J. Palmer & Son, 5th, C. J. G. Co., 6th, H. H. Co., 7th, W. J. Palmer & Son, 8th, C. J. G. Co., 9th, H. H. Co., 10th, W. J. Palmer & Son. Azaleas—1st, W. J. Palmer & Son, 2d, C. J. G. Co., 3d, H. H. Co., 4th, W. J. Palmer & Son, 5th, C. J. G. Co., 6th, H. H. Co., 7th, W. J. Palmer & Son, 8th, C. J. G. Co., 9th, H. H. Co., 10th, W. J. Palmer & Son. Carnations—1st, W. J. Palmer & Son, 2d, C. J. G. Co., 3d, H. H. Co., 4th, W. J. Palmer & Son, 5th, C. J. G. Co., 6th, H. H. Co., 7th, W. J. Palmer & Son, 8th, C. J. G. Co., 9th, H. H. Co., 10th, W. J. Palmer & Son.

# EASTER LILIES EASTER 5,000 POTS

GIGANTEUM EXCELLENT STOCK

25 in Crate

Bloom or Bud 12 cents

ORDER NOW

**HENRY M. ROBINSON & CO.,** 32 Otis Street,  
2 Winthrop Sq., **BOSTON**

Telephones, Main 2616—2617—2618; F. H., 25290

## FOR NOW AND EASTER

We carry the stock of the Best Growers in New England  
Roses, Carnations, Lilies, Orchids, Valley and all other  
Seasonable Flowers

WE AIM TO PLEASE. A PLEASED CUSTOMER IS OUR BEST AD.  
(The House of Quality)

**B. A. SNYDER CO.** 278 Devonshire St.  
Boston, Mass.

Telephones Fort Hill 1083 and 1084

All Choice, Seasonable CUT FLOWERS for Easter and Spring

## ROSES a Specialty

American Beauty, Ophelia, Hoosier, Shawyer, Sunburst, Ward,  
Stanley, Mock, Richmond, Killarney

VIOLETS—CARNATIONS—BULB STOCK—SMILAX

**H. E. FROMENT**

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Phones, Farragut, 300, 301

New York

## For Your Easter Trade

We have High Class Roses, both the Newer and Standard Varieties, Carnations, Sweet Peas, Lilies, Narcissus, Tulips, Ward's Pansies in Quantity, and all other Seasonable Flowers and Greens

*Consignments Solicited*

**J. J. COAN, Wholesale Florist**

115 WEST 28th STREET, NEW YORK

Telephones: Farragut 5413-5891

# FOR Easter and Spring Trade THE FINEST OF LILIES

Callas; Frame Valley; Tulips in Great Variety; Golden Spur, Victoria and Emperor Narcissus; Ward, Matchless and Enchantress Supreme Carnations; Domestic Asparagus

## PHILIP F. KESSLER

*Wholesale Florist*

**55 West 26th St., NEW YORK CITY**

**Business Telephone, FARRAGUT 5243 Residence Telephone, NEWTOWN 345J**

er & Son; 2d, C. F. Christensen; 3d, Erie Floral Co. Fifty white: 1st, W. J. Palmer & Son; 2d, C. F. Christensen; 3d, Erie Floral Co. Fifty red: 1st, W. J. Palmer & Son; 2d, C. F. Christensen; 3d, John Preisach, Corfu, N. Y. Fifty light pink: 1st, David Scott; 2d, Erie Floral Co.; 3d, W. J. Palmer & Son. Mixed: 1st, W. J. Palmer & Son; 2d, C. T. Guenther. Roses—Pink Killarney: 1st, W. J. Palmer & Son; 2d, Erie Floral Co.; 3d, C. T. Guenther. White Killarney: 1st, W. J. Palmer & Son; 2d, Erie Floral Co.; 3d, C. T. Guenther. Ophelia: 1st, W. J. Palmer & Son; 2d, Erie Floral Co. Twenty-five red, 25 mixed and 25 Bonsilene: W. J. Palmer & Son, 1st in each class. Snapdragon—1st, W. J. Palmer & Son; 2d, L. C. Stroh, Batavia, N. Y.; 3d, David Scott.

### BOSTON.

Julius Zinn, Jr., known to his friends as "Brother," has moved with his wife and family to Scituate. He intends to follow the Copper King's example and name his estate Dreamwold II.

Elliott Filson, salesman for Peirce Bros., Waltham, personally confirms the rumor that he is to be married directly after Easter, but is extremely reticent regarding the full particulars.

B. A. Snyder & Co. have had the good fortune to secure the services of Wilbur Osgood, formerly with P. Welch. Mr. Osgood is an old member of the trade and is well known in Boston.

Miss Fannie Taylor is now in the employ of Houghton, Gorney Co., and invites her friends to visit her at any time. Miss Taylor was formerly in business for herself in Melrose but was forced to retire by a severe illness.

A strike of the workmen, largely foreigners, in the nurseries of the

American Forestry Company at West Natick caused considerable trouble on Tuesday of this week and a police guard was placed to protect the property.

What was pronounced by all beholders to be the most beautiful specimen *Acacia pubescens* they had ever seen was sold by the W. W. Edgar Company to D. MacRorie of San Francisco for \$300. Mr. MacRorie made the trip from New York to Boston specially to see the plant.

Some unusually long-stemmed irises

are to be seen in the market on the bench of W. B. Southworth, Stoughton. One stem when measured proved to be nearly 45 inches and the others were not appreciably shorter. On inquiry, the name of this variety proved to be the old stand by, "King of the Blues."

The Horticultural Club of Boston held its regular meeting at the Parker House on Wednesday evening, April 12. Col. W. W. Castle, W. E. Fischer and E. A. Bause of Cleveland, were guests. The table was beautifully

## For Easter

Spencer Sweet Peas, Daffodils, Pansies, Forgetmenots, Single Violets, Corn Flowers, Smilax and other Easter Flowers and Greens.  
All of Select Quality.

**HERMAN WEISS, 106 West 28th St., New York**  
**Wholesale Commission Florist**

Telephones, Farragut 634 and 3066

# ATTENTION

## New England Trade

We are prepared to supply you with the highest quality of Easter Plants and Flowers for Select Store Trade.

## FINE LILIES

**In Crates of 25 Plants, Ready for Shipment. Price \$12.00 per 100**

Roses in all the Standard Varieties; All the Best Carnations in Exceptional Quality; Yellow Daisies, Primroses, Lily of the Valley and Spring Bulb Flowers; Violets, Sweet Peas, Cattleyas, Gardenias, etc., etc.

**PRICE LISTS READY NOW. PLACE ORDERS EARLY**

## WELCH BROS. CO.

**226 DEVONSHIRE ST.**

**BOSTON, MASS.**

**Telephone Main 6267**

## PATRICK J. SMITH

**FINEST GRADE**

Lilies, Roses, Tulips,  
Daffodils, Antirrhinum,  
Sweet Peas, Etc., Etc.

**Headquarters for the great**

## HADLEY ROSE

**131 West 28th St., New York**

## Prime Easter Stock

**CARNATIONS, LILAC  
ROSES, SWEET PEAS  
BULBOUS STOCK**

**AND ALL OTHER SEASONABLE  
FLOWERS AND GREENS**

## WILLIAM P. FORD

*Wholesale Florist*

**107 West 28th Street . . New York**

**Telephone Farragut 5335**

# WHY WORRY?

You don't have to think. Others have already done that for you. Just follow the buyers of those high class 5th Ave., Madison Ave. and Broadway stores—and they will lead you to

## TRAENDLY and SCHENCK

**We Lead in Quality**

That is what has made these stores famous the world over. They want the best flowers grown, and they get them from

## TRAENDLY and SCHENCK

A very good reason why they are successful.

They insist on distributing the kind of flowers the discriminating buyer wants. That is why the store of Traendly & Schenck is always brimful of Life and Activity. The live ones know it. Are you one of the live ones, Mr. Reader? If not, we are telling you something.

AMERICAN BEAUTIES  
HADLEY  
MOCK

HOOSIER BEAUTIES  
OPHELIA  
WARD

RADIANCE  
TAFT  
STANLEY

SHAWYER  
SUNBURST  
THE KILLARNEYS

### OUR CARNATIONS ARE BUSINESS GETTERS

CATTLEYA—We will have a large supply of extra fine Schroederi—and all the novelties in season.

### SPENCER PEAS—ALL THE VARIETIES. VIOLETS

Together with all the necessary requisites that go to dressing up a real flower shop.

## TRAENDLY & SCHENCK,

436-6th Ave. bet. 26th and 27th Sts.  
NEW YORK CITY

Phones 797—798—799 Farragut.

adorned with *Primula veris* elatior—plants and cut flowers—by William Sim, and a central vase of carnation Doris was contributed by S. J. Goddard.

Roslindale's premier grower, A. Leuthy, gladly puts himself on record with the statement that the older varieties of azaleas are in danger of being supplanted by any of the recently introduced novelties. The *Schruy-verianum*, *Vander Cruyssen* and *Madame Jean* still prove to be the most popular for the early spring trade, for Mr. Leuthy has sold more of these this year than ever before, and he can well be quoted as authority on azaleas. Owing to the late Easter, Mr. Leuthy has given his lilies the minimum of heat, with the result that each blossom is firm and full. He corroborates the statements of Henry Penn and Julius Zinn when he claims that his white azalea—the A. Leuthy—is the prize package in the white line.

Members of the Gardeners' and Florists' Club of Boston to the number of more than one hundred participated in the annual Easter visit to the plant growing establishment of W. W. Edgar at Waverley, on Saturday, April 8. After a pleasant and profitable stroll through the plant houses, gay with hydrangeas, lilies, azaleas and other timely products, a social hour was spent as the guests of Mrs. Edgar, who extended open-hearted hospitality. There was a big surprise for her, however, in the form of a handsome mahogany tea wagon stocked with a hand-painted afternoon tea set, and also a mahogany "mussing" stand. The presentation was made by President

Methven on behalf of the visitors and was appreciatively responded to by the hostess. Brief addresses were made by several gentlemen, including Herman Bartsch, to whose skill and industry as manager much of the success of this establishment is due.

### PHILADELPHIA.

Commodore John Westcott has just returned from his first spring visit to his farm at Waretown. Habitués of that delectable resort will be pleased to learn that he reports all well—no births, deaths nor marriages to speak of. The derelict, McTavish, is still high and dry on the rocky shore near the club house. Jaunty and Charley Chaplin both alive and on speaking terms. The *Ailanthus* trees are all

killed off by the winter storms, but the Tamarisks are holding their own very well. Spring plowing and seeding is now the order of the day on the farm.

### PERSONAL.

Thomas Watson, formerly at Hamilton Farms, Gladstone, N. Y., has taken a position as gardener for A. L. Norris, Lawrence, L. I., N. Y.

Samuel R. Prentiss, owner of "Elm bank," an estate noted for its beautiful grounds has been appointed park commissioner for Bangor, Me.

Gerhard Bleicken, who has occupied a place as superintendent of an estate in Plymouth, Mass., for a number of years has started in business as Expert in Garden Craft and Landscape Work in West Natick, Mass.

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Ample Supplies of all staples in cut flowers

ROSES  
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2	15 " " 3.50 " "	5	30 " " 6.50 " "
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## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON April 13		ST. LOUIS April 3		PHILA. April 10	
<b>Roses</b>						
Am. Beauty, Special	4.00	to 4.50	25.00	to 40.00	1.00	to 40.00
"    Fancy and Extra	4.00	to 5.00	20.00	to 30.00	2.00	to 35.00
"    New York	4.00	to 8.00	6.00	to 10.00	4.00	to 15.00
Russell, Hadley	4.00	to 12.00	8.00	to 10.00	4.00	to 20.00
Killarney, Kilmann, Hillington, Warl, Extra	4.00	to 6.00	6.00	to 8.00	6.00	to 10.00
"    Ordinary	2.00	to 4.00	2.00	to 4.00	3.00	to 5.00
Arenburg, Rahance, Taft, Key, Extra	2.00	to 4.00	2.00	to 4.00	3.00	to 5.00
"    Ordinary	2.00	to 4.00	2.00	to 4.00	3.00	to 5.00
Ophelia, Mock, Sunburst, Extra	4.00	to 8.00	8.00	to 10.00	6.00	to 10.00
"    Ordinary	2.00	to 4.00	4.00	to 6.00	4.00	to 5.00
<b>Carnations, Fancy</b>	2.00	to 4.00	2.00	to 4.00	3.00	to 5.00
"    Ordinary	1.50	to 2.00	1.00	to 1.50	1.50	to 2.00
<b>Cattleyas</b>	35.00	to 40.00	50.00	to 60.00	40.00	to 50.00
<b>Dendrobium formosum</b>	35.00	to 40.00	35.00	to 40.00	35.00	to 40.00
<b>Lilies, Longiflorum</b>	0.00	to 8.00	10.00	to 12.50	6.00	to 10.00
"    Rubrum	3.00	to 4.00	4.00	to 6.00	3.00	to 5.00
<b>Callas</b>	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
<b>Lily of the Valley</b>	4.00	to 4.00	3.00	to 4.00	2.00	to 5.00
<b>Deisies</b>	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
<b>Violets</b>	1.40	to 1.50	2.00	to 3.00	1.20	to 1.75
<b>Mignonette</b>	2.00	to 3.00	3.00	to 5.00	2.00	to 4.00
<b>Snapdragon</b>	4.00	to 6.00	2.00	to 3.00	3.00	to 12.50
<b>Daffodils</b>	1.50	to 2.50	2.00	to 3.00	1.00	to 3.00
<b>Gladioli</b>	5.00	to 12.00	1.00	to 1.00	1.00	to 1.00
<b>Tulips</b>	1.00	to 3.00	3.00	to 4.00	2.00	to 4.00
<b>Hyacinths</b>	2.00	to 3.00	3.00	to 4.00	1.00	to 1.00
<b>Freesia</b>	1.00	to 1.50	1.00	to 3.00	1.00	to 1.00
<b>Calendulas</b>	1.00	to 1.00	1.00	to 3.00	2.00	to 4.00
<b>Lilac per 100</b>	1.00	to 1.00	1.00	to 1.00	.50	to 1.00
<b>Sweet Peas</b>	2.00	to 10.00	1.00	to .50	.50	to 1.50
<b>Gardenias</b>	20.00	to 35.00	1.00	to 1.00	3.00	to 20.00
<b>Adiantum</b>	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
<b>Smilax</b>	12.00	to 16.00	10.00	to 12.50	20.00	to 25.00
<b>Asparagus Plumosus, &amp; Spreng.</b>	25.00	to 35.00	20.00	to 10.00	25.00	to 50.00

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**CUT FLOWERS**

# Flower Market Reports

**BOSTON** A welcome change has been noticed during the past week in this market.

Without exception salesmen report an increased volume of business and a sharp rise in prices. Carnations are plentiful and strong. All varieties of roses are going well except the very short lengths. The usual spring demand for novelties has assumed gigantic proportions with tulips and jonquils heading the list. Sweet peas are doing well, though they are rather scarce. Easter lilies are in big demand and callas are a close second. A few anemones are on hand, but are not being called for to a very great extent. Iris and gardenias are plentiful and are moving well, but orchids cannot be obtained at any price, and a shortage of the last mentioned blossoms is predicted for Easter.

The tone of the market **CHICAGO** is weak. Not that there is a glut or that any great number of flowers are thrown away, but these conditions would exist if there were as large an amount of stock coming as usually is cut in April. Prices have been reduced to just meet the supply and demand and the retailer and wholesaler are as near to a state of agreement as is apt to occur. The demand for the newer varieties of roses is marked and the preference shows clearer as all varieties are more plentiful, and selection is not influenced so much by cost. Carnations are not selling as well as roses and the demand for them is not increased in proportion to the dropping of the price. Bulbous stock is scarce. A few good tulips are coming now, but the great bulk of tulips is through for the season. Southern daffodils are not so much in evidence and greenhouse grown ones are nearly gone. A good variety of other stock is to be had. Ferns are now quoted at \$3.00 per M. The greater disparity exists in predictions as to the Easter supply. Many growers will be off crop, having had their stock ready for early cutting and are consequently through early. Others will be just in time. That there will be a fair supply and no extremes in prices is probably a safe prediction. There will be plenty of Easter lilies and the prices will cover a wide range according to quality.

Demand is steady **CINCINNATI** but more stock comes in than is really needed and low prices are the result. Shipping business, particularly in greens and supplies, is good. The outlook for Easter is very good. Lilies, roses, carnations and sweet peas are in a heavy supply. Jonquils, daffodils, Dutch hyacinths, callas and tulips have been enjoying a fairly ready sale. Other offerings include violets, orchids, rubrums, lilies, snapdragon, lilac and calendulas.

The market condition **NEW YORK** is quiescent with little to suggest any probable change either way until Easter opens up, and when that does occur there is nothing to show what course the situation will take. There is an abundance of everything but no



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To complete the Easter costume a corsage of flowers gives it just that finish and touch that makes it complete. Any of the following in quantity:

Hudson River Double Violets	\$1.00 per 100
Gardenias	\$3.00 & 4.00 per doz.
Valley	5.00 & 6.00 per 100
Spencer Sweet Peas	\$2.00, 2.50 & 3.00 per 100
Cattleyas	7.50 & 9.00 per doz.
Daisies, White & Yellow	1.50 & 2.00 per 100

Besides these, a splendid lot of other flowers, particularly **EASTER LILIES**, at \$10.00 and \$12.50 per 100.

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## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI April 15		CHICAGO April 15		BUFFALO April 15		PITTSBURG April 15	
<b>Roses</b>								
Am. Beauty, Special	40.00	to 50.00	1.00	to 40.00	35.00	to 45.00	25.00	to 35.00
" " Fancy and Extra	25.00	to 35.00	20.00	to 30.00	25.00	to 35.00	20.00	to 30.00
" " No. 1	15.00	to 20.00	10.00	to 15.00	10.00	to 15.00	10.00	to 15.00
Russell, Hadley	1.00	to 15.00	1.00	to 20.00	1.00	to 10.00	4.00	to 10.00
Killarney, Richm'd, Hill'don, Ward	8.00	to 15.00	6.00	to 8.00	8.00	to 10.00	6.00	to 10.00
" " " " " Ord.	1.00	to 7.00	2.00	to 5.00	4.00	to 6.00	1.00	to 1.00
Arenburg, Radiance, Taft, Key, Ex.	8.00	to 10.00	6.00	to 8.00	8.00	to 10.00	6.00	to 10.00
" " " " " Ord.	1.00	to 7.00	3.00	to 5.00	5.00	to 6.00	1.00	to 4.00
Ophelia, Mock, Sunburst, Extra	8.00	to 15.00	6.00	to 8.00	8.00	to 10.00	6.00	to 10.00
" " " " " Ordinary	5.00	to 7.00	3.00	to 5.00	4.00	to 6.00	1.00	to 4.00
Carnations, Fancy	4.00	to 5.00	1.00	to 2.00	1.00	to 2.00	1.50	to 2.00
" " Ordinary	1.00	to 3.00	1.00	to 2.00	1.00	to 2.00	1.50	to 2.00
Cattleyas	50.00	to 60.00	40.00	to 50.00	40.00	to 50.00	40.00	to 50.00
Dendrobium formosum	10.00	to 15.00	10.00	to 15.00	10.00	to 15.00	10.00	to 15.00
Lilies, Longiflorum	12.00	to 15.00	5.00	to 8.00	10.00	to 12.00	5.00	to 10.00
" " Rubrum	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Callas	1.00	to 15.00	1.00	to 10.00	8.00	to 12.00	6.00	to 10.00
Lily of the Valley	4.00	to 5.00	3.00	to 4.00	4.00	to 5.00	3.00	to 6.00
Daisies	1.00	to 1.75	1.00	to 1.00	1.00	to 1.50	1.50	to 2.00
Violets	5.00	to 1.00	1.25	to 1.50	1.40	to 1.50	1.10	to 1.20
Mignonette	1.00	to 1.00	1.00	to 5.00	3.00	to 5.00	4.00	to 6.00
Snapdragon	8.00	to 15.00	4.00	to 8.00	6.00	to 10.00	8.00	to 12.00
Daffodils	2.00	to 3.00	2.00	to 4.00	2.00	to 3.00	2.00	to 4.00
Gladioli	1.00	to 5.00	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Tulips	1.00	to 4.00	2.00	to 3.00	2.00	to 3.00	2.00	to 4.00
Hyacinths	3.00	to 5.00	1.00	to 2.00	2.00	to 3.00	1.00	to 1.00
Freesia	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00	1.00	to 1.00
Calendulas	2.00	to 3.00	2.00	to 3.00	1.00	to 1.00	2.00	to 3.00
Lilac (per bunch)	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Sweet Peas	1.50	to 1.00	1.50	to 1.00	1.00	to 1.00	1.50	to 1.00
Gardenias	1.00	to 20.00	1.00	to 15.00	25.00	to 30.00	1.00	to 1.00
Adiantum	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Smilax	12.50	to 15.00	12.00	to 15.00	15.00	to 15.00	15.00	to 15.00
Asparagus Plu. & Spreng.	25.00	to 50.00	1.00	to 5.00	40.00	to 50.00	1.00	to 2.00

great accumulation unless we may except the sweet peas which seem overabundant on all sides but generally of exceptional quality. Cattleyas are abundant if we include Schroederiae but not so as to the deep colored varieties. Roses have never been offered in better quality or in equal variety of type and color. Lilies are plentiful and many of them inferior in size and substance. In general there is a buoyant feeling prevalent in the flower markets even though customers are none too plenty and none too eager.

There is not much **PHILADELPHIA** change in business here from our last report. Demand only mod-

erate and supplies of all kinds more than enough. The storm at the end of last week accentuated the unfavorable conditions, as the usual clean-up did not materialize. Roses show up very good, especially Russell, Hadley and Ophelia. Beauty and Killarney are also very good. There is a shortage in cattleyas, especially the darker shades of Trianae and Mossiae. Carnations are still plentiful, although not quite so abundant as they were. Violets very plentiful, especially doubles, with demand rather slow. Prices on sweet peas are ruling low, notwithstanding the splendid quality of most of the stock. Although there is only

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American Beauty, Special .....	25.00	to 35.00	25.00	to 35.00
" " Fancy and Extra .....	10.00	to 20.00	10.00	to 20.00
" " No. 1 .....	1.00	to 5.00	1.00	to 5.00
Russell, Hadley .....	12.00	to 35.00	1.00	to 35.00
Killarney, Richmond, Hillingdon, Ward, Extra .....	4.00	to 6.00	4.00	to 6.00
Ordinary .....	1.00	to 4.00	1.00	to 4.00
Arenburg, Radiance, Taft, Key, Extra .....	6.00	to 8.00	6.00	to 8.00
Ordinary .....	1.00	to 4.00	1.00	to 4.00
Ophelia, Mock, Sunburst, Extra .....	6.00	to 8.00	1.00	to 6.00
Ordinary .....	2.00	to 6.00	1.00	to 6.00
Carnations, Fancy .....	1.50	to 2.00	1.50	to 2.00
Ordinary .....	1.00	to 1.50	1.00	to 1.50

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## Flower Market Reports

(Continued from page 51.)

a sluggish demand for lily of the valley, prices hold firm and seem to have an upward tendency. Easter lilies are quite plentiful and rather more than the market can absorb, which, of course, has a depressing effect on prices. No doubt many growers with crops intended for Easter have got some of their plants in flower too soon, and have thus upset the equilibrium of the market. Southern daffodils very plentiful, but no over supply of other bulbous stock. Spanish iris, in lavender, white and yellow, is one of the newest comers, and meets with popular demand. Smilax scarce.

The Lenten quiet in **PITTSBURGH** business continues of course. Good stock of all kinds is coming in plentifully. Prices remain the same and promise to do so throughout the Easter season, with the exception of carnations and sweet peas, which will probably advance slightly.

The wholesale flower market is pretty much the same as reported last week—plenty of good stock, low prices and the demand slow. Most in abundance are the sweet peas, roses and carnations. These are selling in 1,000 lots at remarkably low prices. Good roses in assorted varieties go as low as \$7.50 per 1,000. Sweet peas at \$2 per 1,000. In bulb stock tulips of the Darwin variety bring \$5 per 100. Smilax is still scarce.

Spring and winter weather intermingled last week to the detriment of the outdoor stock. It had been thought that summer was at hand, when the city was visited by a snow storm and attendant dropping of the temperature. Pansies, hyacinths, crocuses and other flowers had been appearing in the gardens in profusion. Prices have been dropping with the increase in the supply of flowers. Thousands of carnations have been sold at prices set by the purchaser, and extra fine sweet peas have gone begging. Local violets are about off the market. Hudson River stock is not selling well because of the condition in which it arrives. Lily of the valley is both scarce and poor in quality. Roses are selling fairly well, with white leading. There are plenty of spring flower blossoms at reasonable prices. Gardenias were sold on the streets last week at ten cents each. Callas and lilies are both plentiful.

Cincinnati—Ed. Schumann injured a foot and ankle last week. Henry Schwarz has been on the sick list for several days.

## HEADQUARTERS

For High-Class Roses

Full line of BULBOUS STOCK, BOURBONDIAS, SWEET PEAS and other Seasonable Flowers.

**J. J. COAN**

115 WEST 28TH STREET, NEW YORK  
Tel., Farragut 5413-5891

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## PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

TELEPHONE MAIN 2698

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M.

## NEW YORK QUOTATIONS PER 100. To Dealers Only

### MISCELLANEOUS

	Last Half of Week ending Apr. 8 1916	First Half of Week beginning Apr. 10 1916
Cattleyas	15.00 to 30.00	15.00 to 50.00
Dendrobium formosum	20.00 to 35.00	20.00 to 35.00
Lilies, Longiflorum	4.00 to 6.00	4.00 to 6.00
" Rubrum	2.00 to 6.00	2.00 to 6.00
Callas	6.00 to 10.00	6.00 to 10.00
Lily of the Valley	1.00 to 4.00	1.00 to 4.00
Daisies	.50 to 2.00	.50 to 2.00
Violets	.15 to .35	.15 to .35
Mignonette	2.00 to 6.00	2.00 to 6.00
Snapdragon	3.00 to 8.00	3.00 to 8.00
Daffodils	1.00 to 2.00	1.00 to 2.00
Gladioli	5.00 to 8.00	5.00 to 8.00
Tulips	1.00 to 3.00	1.00 to 3.00
Hyacinths	1.00 to 2.00	1.00 to 2.00
Freesia	.50 to 2.00	.50 to 2.00
Calendulas	1.00 to 2.00	1.00 to 2.00
Lilac (per bunch)	.50 to 1.00	.50 to 1.00
Sweet Peas	.25 to 1.00	.25 to 1.00
Gardenias	8.00 to 25.00	8.00 to 25.00
Adiantum	.50 to 1.00	.50 to 1.00
Smilax	8.00 to 12.00	8.00 to 12.00
Asparagus Plumosus, & Spreng (100 bunches)	15.00 to 25.00	15.00 to 35.00

## Are You Dissatisfied?

I have an unlimited market for your flowers, any variety, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty-eight years in the Cut Flower Commission Business.

Write for information or call and talk it over.

Telephone **J. K. ALLEN** 118 West 28th Street  
167 & 3058 Farragut NEW YORK

## IF YOU WANT QUALITY ORDER YOUR LILIES AND CUT FLOWERS

At Lowest Possible Market Prices of

**N. F. MCCARTHY & CO.,** 112 Arch St., Boston, Mass.  
31 Otis St.,

## New England Florist Supply Co.

**SPECIAL**—10 BARREL BALE Sphagnum Moss, \$3.50  
276 Devonshire Street, BOSTON, MASS.

TELEPHONES: Fort Hill, 3469  
Main, 4789 W

Open 6 a. m. to 7 p. m.

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Wholesale Florist

Experienced, Progressive and can handle shipments of growers' product satisfactorily.

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Tel. Farragut 3066.

Established 1888 Tel. 551 Farragut

## GUNTHER BROS.

Wholesale Commission Florists

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We Solicit Consignments of New England Grown Novelties.

## RIEDEL & MEYER, Inc. Wholesale Commission

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## GUTTMAN & RAYNOR, Inc.

A. J. GUTTMAN, President.

## Wholesale Florists

101 W. 28th St., NEW YORK

We have 20 years' experience behind us.  
Telephone, Farragut 2036-2037-558.

## D. C. Arnold & Co., Inc. Wholesale Florists

112 West 28th St., N. Y. CITY

Telephone, 2287 Farragut.  
Consignments Solicited.

## UNITED CUT FLOWER CO., INC.

Flowers Sold on Commission  
Consignments of  
Good Stock Solicited

PERCY W. RICHTER, Mgr., NEW YORK  
111 W. 28th Street

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisements in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANTS

R. Decker, 61 State St., Boston.  
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## APHINE

Apine Mfg. Co., Madison, N. J.  
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## APHIS PUNK

Nighting Mfg. Co., St. Louis, Mo.  
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## ASPARAGUS

Asparagus Plumosus Seedlings, \$5.00 per 1000. Ready May 1st. COLLINGDALE GREENHOUSES, Collingdale, Pa.

## AQUATIC PLANTS

Henry A. Dreer, Philadelphia, Pa.  
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## AUCTION SALES

The MacNitt Horticultural Co.,  
New York City.  
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Elliott Auction Co., New York City.  
Plant Auctioneers.  
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## AZALEAS

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A. Hans, Woburn, Mass.  
K. J. Kuyk, Ghent, Belgium.  
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## BASKETS

H. Bayersdorfer & Co., Philadelphia, Pa.  
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## BAY TREES

BAY TREES. Write for wholesale price-list.  
JULIUS ROEHRS CO., Rutherford, N. J.

## BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.  
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R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.  
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## BEGONIAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.  
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Thomas J. Grey Co., 29 So. Market St.,  
Boston, Mass.  
Begonia, Mariemont Bedder.  
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## BEGONIAS

Delivery from May 15th.  
Lorraine, 2½ in. pots, \$12.00 per 100; Cincinnati, 2½ in. pots, \$15.00 per 100; Mrs. J. A. Peterson (New), 2½ in. pots, \$25.00 per 100; \$200.00 per 1000.  
JULIUS ROEHRS CO., Rutherford, N. J.

## BOILERS

Kroeschell Bros. Co., Chicago.  
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King Construction Co., North Tonawanda, N. Y.  
"King Ideal" Boiler.  
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Lord & Burnham Co., New York City.  
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Hitchings & Co., New York City.

## BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.  
For page see List of Advertisers.  
Folding cut flower boxes, the best made.  
Write for list. HOLTON & HUNKEL CO.,  
Milwaukee, Wis.

## BOX TREES

BOX TREES. Standards, Pyramids and Bushes. Price set on demand.  
JULIUS ROEHRS CO., Rutherford, N. J.

## BULBS AND TUBERS

Hogewoning & Sons, Rynsburg, Holland,  
and 32 Broadway, New York City.  
Tuberous Rooted Begonias.  
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Arthur T. Boddington Co., Inc.,  
New York City.  
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J. M. Thorburn & Co., New York City.  
Tuberoses.  
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Ralph M. Ward & Co., New York City.  
Lily Bulbs.  
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John Lewis Childs, Flowerfield, L. I., N. Y.  
Gladlioli.  
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August Rolker & Sons, New York City.  
Forcing Bulbs and Plants.  
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R. & J. Farquhar & Co., Boston, Mass.  
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Chas. Schwabe & Co., New York City.  
Horticultural Importers and Exporters.  
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A. Henderson & Co., Chicago, Ill.  
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Burnett Bros., 98 Chambers St., New York.  
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Joseph Breck & Sons Corp., Boston, Mass.  
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W. E. Marshall & Co., New York City.  
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Fottler, Fliske, Rawson Co., Boston, Mass.  
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C. KEUR & SONS, HILLEGOM, Holland  
Bulbs of all descriptions. Write for prices.  
NEW YORK Branch, 8-10 Bridge St.

## CALADIUMS

Arthur T. Boddington Co., Inc., New York City.  
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## CANNAS

Arthur T. Boddington Co., Inc.,  
New York City.  
King Humbert Cannas.  
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John Lewis Childs, Flowerfield, L. I., N. Y.  
Canna Roots.  
For page see List of Advertisers.

Newest list of the newest Cannas just out. Complete assortment of the finest sorts, at remarkable rates.

Send for list today.

THE CONARD & JONES CO.  
West Grove, Pa.

## CARNATIONS

Cottage Gardens Co., Inc., Queens, N. Y.  
New Carnation Cottage Maid.  
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Wood Bros., Fishkill, N. Y.  
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F. Dorner & Sons Co., Lafayette, Ind.  
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Guttman & Raynor, Inc., New York City.  
Seedling Carnation Laura Weber.  
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CARNATION CUTTINGS—From sand or plants from soil; vigorous and healthy:

	Per 100	Per 1000
Albee .....	\$5.00	\$45.00
Benson .....	3.00	25.00
Matchless .....	3.00	25.00
White Wonder .....	3.00	25.00

FRANK P. PUTNAM, Lowell, Mass.

## CARNATION STAPLES

Split carnations quickly, easily and cheaply made. Pillsbury's Carnation Staples, 1000 for \$10, 3000 for \$30.00 postpaid. L. L. PILLSBURY, Gooding, Ill.

Supreme Carnation Staples, for repairing split carnations, 25¢ per 1000, 3000 for \$1.00. F. W. WAITE, 85 Belmont Ave., Springfield, Mass.

## CHRYSANTHEMUMS

Charles H. Totty, Madison, N. J.  
Alice Day.  
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Elmer D. Smith, Adrian, Mich.  
New Chrysanthemum Catalogue for 1916.  
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Guttman & Raynor, Inc., New York City.  
Early Lavender Pink Chrysanthemum  
Alex Guttman, also Liliata, a Garza  
Anemone, Double Pompon,  
pale pink.  
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## CYCLAMEN

CYCLAMEN. Best strain. Separate colors or mixed, 3 in. pots, \$8.00 per 100, for May delivery.

JULIUS ROEHRS CO., Rutherford, N. J.

## DAHLIAS

R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.  
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Send for Wholesale List of Whole clumps and separate stock; 10,000 clumps for sale Northboro Dahlia and Gladioli Gardens, J. L. MOORE, Prop., Northboro, Mass.

## NEW PAEONY DAHLIA

John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to  
PEACOCK DAHLIA FARMS, Berlin, N. J.

IF YOU INTEND growing Dahlias for cut flowers then you will make no mistake if you will try my assortment, especially selected for cut flower production. Three whites, 3 pinks, 1 red, 1 yellow, 1 lavender, 1 fancy; all field roots, labeled true to name; per 100, 10 of each kind, \$3.00; per 1000, 100 of each kind, \$25.00. 50 at 100 and 500 at 1000 rates. Cash with order. Guarantee entire satisfaction. If interested in Dahlias, then please send for my wholesale trade list of Dahlias.

MANNETTO HILL NURSERIES,  
W. A. FINGER, Prop., Hicksville, N. Y.

## DECORATIVE PLANTS

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Thomas Roland, Nahant, Mass.  
High Grade Plants for Retail Florists.  
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A. M. De Vries, Watertown, Mass.  
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Henry A. Dreer, Philadelphia, Pa.  
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## EASTER AND NURSERY STOCK, ALSO BEDDING PLANTS WANTED

C. C. Trepel, Brooklyn and New York.  
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## EASTER LILIES

H. M. Robinson & Co., Boston, Mass.

## EASTER PLANTS

Thomas Roland, Nahant, Mass.  
William W. Edgar Co., Waverly, Mass.

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**FERNS**

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A. M. Davenport, Watertown, Mass.  
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F. R. Pierson Co., Tarrytown, N. Y.  
Visit the Home of the Nephrolepis Family.  
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**FERTILIZERS**

R. & J. Farquhar & Co., Boston, Mass.  
Pulverized Sheep Manure.

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Highgrade Manure Compost Co.,  
New York City and Red Bank, N. J.  
Magic Humus.

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Pulverized Manure Co., Chicago, Ill.  
Wizard Brand Cattle Manure.

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Chicago Feed & Fertilizer Co., Chicago, Ill.  
Magic Complete Plant Food.

Farmers' and Florists' Fertilizer Co.,  
Chicago, Ill.

Aetna Brand Tankage Fertilizer.  
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**FLORISTS' SUPPLIES**

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Welch Bros. Co., Boston, Mass.  
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Henry M. Robinson & Co., Boston, Mass.  
Waxed Flowers and Metallic Magnolia  
Wreaths.

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**FLOWER POTS**

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**FUNGICIDES**

Aphine Mfg. Co., Madison, N. J.  
Fungine.

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**GARDEN TOOLS**

B. G. Pratt Co., New York City.  
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**GERANIUMS**

R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.

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Madame Sallerot—2 in., \$2.00 per 100;  
\$18.00 per 1000. PASCOAG GREEN-  
HOUSES, Wm. Doel, Prop., Pascoag, R. I.  
S. A. Nutt geraniums. Extra fine stock.  
Write for sizes and prices. FRANK  
LEITH & SON, Haverhill, Mass.

**GLADIOLI**

John Lewis Childs, Flowerfield, L. I., N. Y.  
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A. Henderson & Co., Chicago, Ill.  
Forcing Gladioli.

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**GLASS**

Sharp, Partridge & Co., Chicago.  
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Parshelsky Bros., Inc., Brooklyn, N. Y.  
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Greenhouse glass, lowest prices. JOHN-  
STON GLASS CO., Hartford City, Ind.

**GLAZING POINTS**

H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.

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**GOLD FISH**

Gold fish, aquarium plants, snails, cas-  
ties, globes, aquarium, fish goods, nets,  
etc., wholesale. FRANKLIN BARRETT,  
Breeder, 4815 D St., Olney, Philadelphia,  
Pa. Large breeding pairs for sale. Send  
for price list.

**GREENHOUSE BUILDING MATERIAL**

King Construction Co., N. Tonawanda, N. Y.  
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Parshelsky Bros., Inc., Brooklyn, N. Y.  
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Lord & Burnham Co., New York City.  
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A. T. Stearns Lumber Co., Neponset,  
Boston.

Pecky Cypress.

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**GREENHOUSE CONSTRUCTION**

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Metropolitan Material Co., New York City.

Lord & Burnham Co., New York City.

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**GREENHOUSE SHADING**

E. A. Lippman, Morristown, N. J.  
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**GUTTERS**

King Construction Co., N. Tonawanda, N. Y.  
King Channel Gutter.

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**HAIL INSURANCE**

Florists' Hail Asso. of America.  
J. G. Esler, Saddle River, N. J.

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**HARDY FERNS AND GREEN GOODS**

Michigan Cut Flower Exchange, Detroit,  
Mich.

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**HARDY PERENNIALS**

Bay State Nurseries, No. Abington, Mass.  
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Henry A. Dreer, Philadelphia, Pa.  
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**HART'S HANDY HANDLE**

Geo. B. Hart, Rochester, N. Y.  
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**HEATING APPARATUS**

Kroeschell Bros. Co., Chicago.  
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Lord & Burnham Co., New York City.  
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**HOT BED SASH.**

Parshelsky Bros., Inc., Brooklyn, N. Y.  
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S. Jacobs & Sons, Brooklyn, N. Y.  
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Foley Greenhouse Construction Co.,  
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A. T. Stearns Lumber Co., Neponset, Mass.  
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Lord & Burnham Co., New York City.  
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Standard hotbed sash, 1 1/2 in. thick, with  
crossbar, 80c. each; lots of 25 and over, 75c.  
each. Blind tenons; white leaded in joints.  
The life of a sash depends on this construc-  
tion. We GUARANTEE our sash to be  
satisfactory or refund your money. Glass,  
6x8, 8x10, 10x12, or 10x14, \$1.50 per  
box of 50 sq. ft. C. N. ROBINSON & BRO.,  
Dept. 29, Baltimore, Md.

**HOSE**

H. A. Dreer, Philadelphia, Pa.  
Metropolitan Material Co., Brooklyn, N. Y.

Non-Kink Woven Hose.

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**HOTEL ACCOMMODATIONS**

Hotel Cumberland, New York City.

**INSECTICIDES**

Aphine Manufacturing Co., Madison, N. J.  
Aphine.

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Nicotine Mfg. Co., St. Louis, Mo.  
Aphis Punk and Nikoteen.  
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Eastern Chemical Co., Boston, Mass.  
Imp. Soap Spray.  
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**IRIS**

*Iris pallida dalmatica*, the finest of all  
the German Iris; beautiful large lavender,  
suitable for cut flowers as well as for the  
garden. Strong divisions, \$10.00 per 100;  
large quantities at special prices. Now is  
the time for planting.

J. A. PETERSON & SONS,

Westwood, Cincinnati, Ohio.

**LILY BULBS**

Chas. Schwake & Co., New York City.  
Horticultural Importers and Exporters.  
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McHutchison & Co., New York.

Lily Bulbs from Japan.

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R. M. Ward & Co., New York, N. Y.  
Japanese Lily Bulbs of Superior Quality.  
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Joseph Breck & Sons Corp., Boston, Mass.  
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**LILY OF THE VALLEY PIPS**

Chas. Schwake & Co., Inc., New York City.  
Hohmann's Famous Lily of the Valley Pips.  
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Loechner & Co., New York City.

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J. M. Thorburn & Co., New York City.  
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McHutchison & Co., New York City.

Berlin Valley Pips.

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Lily of the Valley pips, \$5.00 per 1000;  
clumps, \$8.00 per 100. Also all vegetable  
seedlings. Write HENRY SCHAUMBERG,  
Hammonton, N. J.

**LIQUID PUTTY MACHINE**

Metropolitan Material Co., Brooklyn, N. Y.  
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**MANETTI STOCKS—ENGLISH**

McHutchison & Co., New York City.  
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**NATIONAL NURSERYMAN**

National Nurseryman Publishing Co., Inc.,  
Rochester, N. Y.

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Nicotine Mfg. Co., St. Louis, Mo.  
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P. Ouwerkerk, Weehawken Heights, N. J.  
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The D. Hill Nursery Co., Dundee, Ill.  
Hill's Evergreens.

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**In writing to Advertisers kindly mention Horticulture**

**NURSERY STOCK—Continued**

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**NUF GROWING**

The N. G. W. Co., G.

**ONION SEEDS**

Schilder Bros., Chillicothe, Ohio.  
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**ONION SETS**

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**ORCHID PLANTS**

Julius Roehrs Co., Rutherford, N. J.  
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**Lager & Hurrell, Summit, N. J.**

**PANSY PLANTS**

225,000 large, stocky (Sept. transplanted), field-grown blooming pansy plants, Henry Mette's strain, all salable stock, satisfaction guaranteed, \$1.00 per 100; \$10.00 per 1000. Cash. Prompt shipping. **BRILL CELERY GARDENS, Kalamazoo, Mich.**

Panoses, the big giant flowering kind, \$5.00 per 1000 in bud and \$6.00 and \$15.00 per 1000. Cash. If I could only show the new plants, hundreds of testimonials and repeat orders I would be flooded with new business. **JAMES MOSS, Johnsville, Pa.**

**PAPER POTS**

The Cloche Co., New York City.  
 Collapsible Paper Boxes.  
 For page see List of Advertisers.

**PHOENIX CANARIENSIS**

In all sizes. Special price-list on demand.  
**JULIUS ROEHRS CO., Rutherford, N. J.**

**PEONIES**

Peonies. The world's greatest collection. 1200 sorts. Send for list. **C. BETSCHER, Canal Dover, O.**

**PECKY CYPRESS BENCHES**

**A. T. Stearns Lumber Co., Boston, Mass.**  
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**PELAGONIUMS**

Roman J. Irwin, New York City.  
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**PETUNIAS**

Petunias, our well known strain of doubles, all strong growers, carrying immense blooms, perfectly healthy stock, well rooted and labelled if requested, \$1.25 per 100, prepaid; \$10 per 1,000; 2 in. strong, \$2.50 per 100, \$22.00 per 1,000.  
**HOPKINS & HOPKINS, Chepachet, R. I.**

**PIPE AND FITTINGS**

Kroeschell Bros. Co., Chicago.  
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**King Construction Company,**

New York, N. Y.

Shelf Brackets and Pipe Hangers.  
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Pfaff & Kendall, Newark, N. J.  
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**PLANT AND BULB IMPORTS**

Chas. Schwake & Co., New York City.  
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**August Rolker & Sons, New York City.**  
 For page see List of Advertisers.  
**McHutchison & Co., New York City.**  
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**PLANT TRELLISES AND STAKES**

Seele's Tieless Plant Stakes and Trellises. **H. D. SEELE & SONS, Elkhart, Ind.**

**PLANT TUBS**

H. A. Dyer, Philadelphia, Pa.  
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**POLYANTHUS**

William Slim, Chittendale, Mass.  
 Slim's Hybrid Yellow.  
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**RATIA**

M. H. H. Co., New York, N. Y.  
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**RHODODENDRONS**

P. Ouwerkerk, Hoboken, N. J.  
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**RIBBONS AND CHIFFONS**

S. S. Pennock-Meehan Co., Philadelphia, Pa.  
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**ROSES**

The Conard & Jones Co., West Grove, Pa.  
 New Book on How to Grow Roses.

P. Ouwerkerk, Hoboken, N. J.  
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Henry A. Dreer, Philadelphia, Pa.  
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W. & T. Smith Co., Geneva, N. Y.  
 American Grown Roses.

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**Bay State Nurseries, North Abington, Mass.**  
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A. N. Pierson, Inc., Cromwell, Conn.  
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Guttman & Raynor, Inc., New York City.  
 Rose Plant, Dutch (Miss Paul Lober).

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**E. R. P. Co., Littleton, N. Y.**  
 Prize Winning Roses.

For page see List of Advertisers.  
**THE CONARD & JONES COMPANY.**  
 Rose Specialists.

West Grove, Pa. Send for offers.

**SCALECIDE**

B. G. Pratt Co., New York City.  
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**SEASONABLE PLANT STOCK**

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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**SEEDS**

Carter's Tested Seeds.  
 Seeds with a Pedigree.

Boston, Mass., and London, England.  
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Peter Henderson & Co., New York City.  
 Everything for the Garden, Lawn and Farm.

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**Joseph Breck & Sons, Boston, Mass.**  
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J. Bolgiano & Son, Baltimore, Md.  
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A. T. Boddington Co., Inc., New York City.  
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Chas. Schwake & Co., New York City.  
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Mitchell's Seed House, Philadelphia, Pa.  
 New Crop Asparagus Seed.

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**W. Atlee Burpee & Co., Philadelphia, Pa.**  
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R. & J. Farquhar & Co., Boston, Mass.  
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J. M. Thorburn & Co., New York City.  
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Lochner & Co., New York City.  
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Ant. C. Zvolanek, Lompoc, Cal.  
 Winter Flowering Sweet Pea Seed.

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**S. S. Skidelsky & Co., Philadelphia, Pa.**  
 Snapdragon.

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**W. E. Marshall & Co., New York City.**  
 Seeds, Plants and Bulbs.

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**Jas. Vick's Sons, Rochester, N. Y.**  
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August Rolker & Sons, New York City.  
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**SEEDS—Continued**

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**SEED AND PLANT FORGER**

The Cloche Co., New York City.  
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**SHEET MOSS (NATURAL AND DYED)**

Knud Nielsen, Evergreen, Ala.  
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**SPHAGNUM MOSS**

New England Florist Supply Co.,  
 Boston, Mass.  
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Live Sphagnum moss, natural peat and  
 dried, for sale on hand. **LAGER**  
**& HURRELL, Summit, N. J.**

**SHELF BRACKETS**

Metropolitan Material Co., Brooklyn, N. Y.  
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**SPRAYING MATERIALS**

B. G. Pratt Co., New York City.  
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**STANDARD THERMOMETERS**

Standard Thermo Co., Boston, Mass.  
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**STRAWBERRY PLANTS**

Strawberry Plants, sixteen varieties, at  
 \$2.50 per 1000. Catalogue free. **BASIL**  
**PERRY, Georgetown, Delaware.**

**SWEET PEA SEED**

Ant. C. Zvolanek, Lompoc, Calif.  
 Gold Medal of Honor Winter Orchid Sweet  
 Peas.

For page see List of Advertisers.

**TRITOMAS**

Now is the time to buy Tritoma Pfitzeri.  
**THOMAS J. OBERLIN, Sinking Spring, Pa.**

**TUBEROSES**

J. M. Thorburn & Co., New York City.  
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**VASES**

H. Bayersdorfer & Co., Philadelphia, Pa.  
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**VEGETABLE PLANTS**

R. Vincent, Jr. & Sons Co.,  
 White Marsh, Md.  
 For page see List of Advertisers.

Celery Plants: Golden Self-Blanching  
 (French strain); fine plants, ready now;  
 \$2.00 per 1000. Cash. Special prices on  
 large lots. **BRILL CELERY GARDENS,**  
**Kalamazoo, Mich.**

500,000 Giant Argentine and Palmette  
 Asparagus Roots grown from selected seed.  
 500,000 Jersey Sweet Potato Plants, red and  
 yellow. 50,000 Vineland Bush Sweet Potato  
 Plants, no vines. 100 lbs. each Ruby Potato  
 and Pimento Pepper Seed. 25,000 Gladiolus  
 Bulbs. 10,000 Rhubarb Roots. All other  
 Vegetable Plants in season. Write for  
 what you want. No catalogue. **I. & J. L.**  
**LEONARD, Iona, N. J.**

**VENTILATING APPARATUS**

The Advance Co., Richmond, Ind.  
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The John A. Evans Co., Richmond, Ind.  
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**VERMICIDES**

Aphine Mfg. Co., Madison, N. J.  
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**WANTED—OLEANDER PLANTS AND ORANGE TREES**

Alexander McConnell, New York City.

**WEED KILLER**

Pino-Lyptol Chemical Co., New York City.  
 Pino-Lyptol Weed Killer.

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**WHEAT SHEAVES**

H. Bayersdorfer & Co., Philadelphia, Pa.  
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**WIRED TOOTHPICKS**

W. J. Cowee, Berlin, N. Y.  
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**WIREWORK**

Reed & Keller, New York City.  
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**WILLIAM E. HEILSCHER'S WIRE WORKS**, 264 Randolph St., Detroit, Mich.

**WHOLESALE FLORISTS**

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**Albany, N. Y.**

Albany Cut Flower Exchange, Albany, N. Y.

**Baltimore**

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.

**Boston**

Welch Bros. Co., 226 Devonshire St.

Patrick Welch, 262 Devonshire St.

N. F. McCarthy & Co., 112 Arch and 31 Otis Sts.

Henry M. Robinson & Co., 32 Otis St. and 1 Winthrop Square.

**Brooklyn**

Wm. H. Kuebler, 28 Willoughby St.

**Buffalo, N. Y.**

William F. Kasting Co., 383-87 Ellicott St.

**Chicago**

Poehlmann Bros. Co., Morton Grove, Ill.

J. A. Budlong, 184 North Wabash Ave.

**Detroit**

Michigan Cut Flower Exchange, 264-266 Randolph St.

**New York**

H. E. Froment, 148 W. 28th St.

James McManns, 105 W. 28th St.

W. F. Sheridan, 133 W. 28th St.

P. J. Smith, 131 West 28th St.

Moore, Hentz & Nash, 55 and 57 W. 26th St.

Charles Millang, 55 and 57 West 26th St.

W. P. Ford, 107 W. 28th St.

J. K. Allen, 118 West 28th St.

The S. S. Pennock-Meehan Co., 117 West 28th St.

Traendly & Schenck, 436 6th Ave., between 26th and 27th Sts.

Badgley & Bishop, Inc., 34 West 28th St.

Woodrow & Marketos, 37 and 39 W. 28th St.

Riedel & Meyer, Inc., 49 West 28th St.

George C. Siebrecht, 109 W. 28th St.

John Young & Co., 53 West 28th St.

M. C. Ford, 121 West 28th St.

B. S. Sinn, Jr., 55-57 West 28th St.

United Cut Flower Co., Inc., 111 W. 28th St.

Guttman & Reynor, Inc., 101 W. 28th St.

Gunther Bros., 110 West 28th St.

D. C. Arnold & Co., Inc., 112 West 28th St.

Henry M. Robinson Co., 55-57 W. 28th St.

W. R. Siebrecht, 114 West 28th St.

Herman Weiss, 106 West 28th St.

J. J. Coan, 115 West 28th St.

**Philadelphia**

Leo. Niessen Co., 12th and Race Sts.

Edward Reid, 1619-21 Ranstead St.

The S. S. Pennock-Meehan Co., 1608-20 Ludlow St.

**Richmond, Ind.**

E. G. Hill Co.

**Rochester, N. Y.**

George B. Hart, 21 Stone St.

**Washington**

The S. S. Pennock-Meehan Co., 1216 H St., N. W.

# New Offers In This Issue

**ADVANCE SASH OPERATING DEVICE AND GREENHOUSE FITTINGS.**

Advance Co., Richmond, Ind.  
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**CUT FLOWERS FOR EASTER.**

The Leo Niessen Co., Philadelphia, Pa.  
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**CUT FLOWERS FOR EASTER.**

J. J. Coan, New York City.  
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**CUT FLOWERS FOR EASTER.**

Patrick J. Smith, New York City.  
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**CUT FLOWERS FOR EASTER.**

Traendly & Schenck, New York City.  
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**CUT FLOWERS FOR EASTER.**

Geo. C. Siebrecht, New York City.  
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**CUT FLOWERS FOR EASTER.**

B. A. Snyder Co., Boston, Mass.  
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**CUT FLOWERS FOR EASTER.**

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**CUT FLOWERS FOR EASTER.**

H. E. Froment, New York City.  
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**CUT FLOWERS FOR EASTER.**

Philip F. Kessler, New York City.  
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**CUT FLOWERS FOR EASTER.**

Herman Weiss, New York City.  
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**EASTER LILIES AND CUT FLOWERS.**

Patrick Welch, Boston, Mass.  
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**EASTER FLOWER DELIVERIES BY TELEGRAPH.**

Alexander McConnell, New York City.  
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**EASTER FLOWERS BY TELEGRAPH.**

Thomas F. Galvin, Inc., Boston and New York.  
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**EASTER FLOWERS BY TELEGRAPH.**

Samuel Murray, Kansas City, Mo.  
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**EASTER LILIES, PLANTS AND CUT FLOWERS.**

Welch Bros. Co., Boston, Mass.  
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**FLOWERS BY TELEGRAPH.**

Zinn the Florist, 4 Park St., Boston, Mass.  
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**FLOWER DELIVERIES BY TELEGRAPH.**

Pelicano, Rossi & Co., 123 Kearny St., San Francisco, Calif.  
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S. S. Pennock-Meehan Co., Philadelphia, Pa.  
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**GRAFTED ROSES.**

Charles H. Totty, Madison, N. J.  
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**GREENHOUSE CONSTRUCTION.**

John C. Moninger Co., Chicago, Ill.  
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**HAMILTON WATERTITE RAINY DAY OUTFIT.**

G. L. Hamilton & Co., Boston, Mass.  
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**HARDY PERENNIALS—ROCK AND WALL GARDEN PLANTS.**

The Mount Desert Nurseries, Bar Harbor, Maine.  
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**HIGH GRADE JAPANESE PLANTS AND SHRUBS.**

Yokohama Nursery Co., New York City.  
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**IMPORTED EVERGREENS AND HARDY DECORATIVE PLANTS.**

Charles Millang, New York City.  
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**JACKSON PECANS.**

L. A. Tonner, Agt., Jackson Pecan Groves Co., Chicago, Ill.  
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**NEW ORCHID COLORED SWAINSONA, MRS. JOSEPH MANDA.**

Joseph Manda, West Orange, N. J.  
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**PLANTS YOU NEED.**

Julius Roehrs Co., Rutherford, N. J.  
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**PRIME EASTER STOCK.**

William P. Ford, New York City.  
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**PRIMULA SEED.**

Henry F. Michell Co., Philadelphia, Pa.  
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**PRIZE WINNING ROSES.**

T. R. Pierson Co., Tarrytown, N. Y.  
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**ROSES, RHODODENDRONS, BOXWOODS, EVERGREENS, BULBS, ETC. AT AUCTION.**

The MacNiff Horticultural Co., New York City.  
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**SEASONABLE PLANTS.**

Frank Oechslein, Chicago, Ill.  
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**SUN DIALS.**

The M. D. Jones Co., Boston, Mass.  
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**THE HAMILTON NON-WRINKLE DUSTER.**

G. L. Hamilton Co., Boston, Mass.  
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## Where's YOUR New Offer?

## In writing to Advertisers kindly mention Horticulture

Est. 1765

Inc. 1904

Pot Makers for a  
Century and a Half**HEWS****STRONG  
RED  
POROUS****POTS**World's Largest  
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.  
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue  
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:  
CAMBRIDGE, MASS.  
NEW YORK, N. Y.**THE GLASS PROBLEM**

The glass manufacturers of the U. S. are constantly on the alert for a satisfactory substitute for potash, the most important single ingredient in the making of glass. Various chemical properties have been experimented with, and while some degree of success has been attained the tendency to turn yellow after a short time is very marked in all glass made in this fashion. It is of the utmost importance to the florist trade that some suitable material be found as a substitute for the potash that is now so scarce and valuable. A dollar a pound is no small item to be paying out, and the country is looking to its chemists for relief.

**GREENHOUSES BUILDING OR CON-  
TEMPLATED.**

Gwynedd, Pa.—John Savage, one house.

Saylesville, R. I.—E. D. Tucker, remodeling.

Pen Argyl, Pa.—Walter Garland, King addition.

Stoneham, Mass.—E. K. Farr, King house 42x142.

Natick, Mass.—Alphonse Grassey, King house 21x75.

Penllyn, Pa.—John Savage, Gwynedd Valley, one house.

Clayton, Mo.—Werner Bros., additions and alterations.

Chatham, N. Y.—Chatham Floral Co., King house 37x125.

McNaughton, Wis.—A. J. Hyde, 1629 Hyde Park Blvd., range of houses.

Columbus, O.—S. S. Myers, three houses, each 30x125; workshop 15x30.

Newport, R. I.—J. J. Van Allen, Ochre Point avenue, range of conservatories.

**NEW CORPORATIONS.**

Indianapolis, Ind.—Reynolds Flower Store, capital stock, \$10,000. Incorporators, A. P. &amp; N. C. Reynolds and G. Jackson.

Pittsfield, Ct.—Viale Floral Co., to grow flowers, shrubs and plants, capital stock, \$15,000. Incorporators, Augusto, John L. and E. Viale.

Yonkers, N. Y.—MacDonald Floral Co., capital stock, \$5,000. Incorporators, M. M. MacDonald, James MacDonald and Wm. A. MacDonald.

Schoharie, N. Y.—F. A. Guernsey &amp; Co., nursery, floral and seed business, capital stock, \$25,000. Incorporators, F. A. and Nellie R. Guernsey and E. E. Rockefeller.

Reading, Pa.—Bertrand H. Farr, Wyomissing Nurseries Company, capital stock, \$150,000. Incorporators, Bertrand H. Farr, Wm. P. Bowman, Ferdinand Thun, W. A. Goodman and L. L. Trowbridge.

**DREER'S "Riverton Special" Plant Tub**

No.	Price	1 1/2	2	3	4	5	6	7	8	9	10
10	20 1/2	\$1.45	\$1.60	\$1.75	\$1.90	\$2.05	\$2.20	\$2.35	\$2.50	\$2.65	\$2.80
20	18 1/2	1.30	1.45	1.60	1.75	1.90	2.05	2.20	2.35	2.50	2.65
30	16 1/2	1.00	1.15	1.30	1.45	1.60	1.75	1.90	2.05	2.20	2.35
40	14 1/2	.85	.95	1.10	1.25	1.40	1.55	1.70	1.85	2.00	2.15
50	12 1/2	.75	.85	1.00	1.15	1.30	1.45	1.60	1.75	1.90	2.05
60	10 1/2	.65	.75	.90	1.05	1.20	1.35	1.50	1.65	1.80	1.95
70	8 1/2	.50	.60	.75	.90	1.05	1.20	1.35	1.50	1.65	1.80

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green with electric welded hoops. The four largest sizes have drop handles.

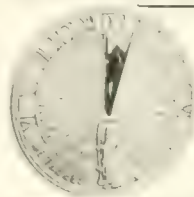
HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714 Chestnut Street, Philadelphia, Pa.

**STANDARD FLOWER  
POTS**

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th &amp; M Sts., Washington, D. C.

**SUNDIALS**

Real Bronze Colonial Designs From \$3.50 Up

Also from fine st. Bull. Fountains and other garden requisites.

Manufactured by  
The M. D. JONES CO.  
71 Portland St., Boston, Mass.  
Send for illustrated price list**STATEMENT OF OWNERSHIP,  
MANAGEMENT, ETC., OF  
HORTICULTURE.**As Required by the Act of Congress.  
August 24, 1912.

Publisher Horticulture Publishing Co., Boston. Editor and Business Manager Wm. J. Stewart. List of stockholders holding one per cent. or more of total amount of stock: W. W. Castle, N. F. Perkins, Wm. J. Stewart, Andrew Stewart, J. K. M. L. Farquhar, P. Welch, David Welch, of Boston, Mass.; Estate of F. R. Mathison, Waltham, Mass.; Thos. Young, Jr., W. F. Sheridan, F. H. Traudly, Chas. Schenck, John I. Raynor, New York City; W. F. Kastling, Buffalo, N. Y.; A. S. Burns, Elmhurst, N. Y.; H. H. Battles, S. S. Pennock, Philadelphia, Pa.; John Burton, Chestnut Hill, Philadelphia, Pa.; Estate of Carl Jurgens, Newport, R. I.; Philip Brodmeyer, Detroit, Mich.; Fred Lautenschlager, Chicago, Ill. Bondholders, mortgagees and other security holders—none.

Sworn to and subscribed before Notary Public by Wm. J. STEWART, Business Manager  
Boston, April 1, 1916.**PATENTS GRANTED.**

1,178,119. Fertilizer and Method of Preparing Same. Wilbur S. Allan, Freeport, and Henry Herbert Sturgis, and James Wendell Sturgis, Standish, Maine.

**PROPOSALS**

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., April 5, 1916. SEALED PROPOSALS will be received in this office until 10 a. m., May 3, 1916, and then opened, for planting trees, shrubs, etc., on the grounds of the Federal Building at Oldtown, Maine, in accordance with the specification, copies of which as well as copies of approach plan No. 1 of the building may be had upon application to the Custodian of the building, or at this office. Jas. A. Wetmore, Acting Supervising Architect.

**NON-KINK WOVEN HOSE**In all lengths. 16c per foot. With couplings. Un-  
coupled at the price.  
Resistant shorter than 25  
feet 16c per foot, coupled.METROPOLITAN MATERIAL CO.  
1392-1414 Metropolitan Ave., Brooklyn, N. Y.**WANTS, FOR SALE, ETC.**Advertisements in this column  
one cent a word. Initials count as  
as words. Cash with order. All  
correspondence addressed "Care  
HORTICULTURE" should be sent  
to 147 Summer St., Boston.**HELP WANTED**WANTED At once, a young man as  
assistant gardener with general knowledge  
and experience of greenhouse work, on  
private place. Also a vegetable gardener,  
single man preferred. Please state age,  
nationality and wages wanted. "G." care  
of HORTICULTURE.WANTED At once, married, sober and  
willing man on small retail place; capable  
to take charge if it should be necessary;  
roses, carnations and general stock grown.  
Good pay to good man; chance for advancement,  
as business is increasing each year.  
W. W. RHULAND, Winchendon, Mass.**SITUATIONS WANTED**SITUATION WANTED—Position wanted  
as gardener and florist on small private estate.  
Three years greenhouse experience.  
Good references. CLIFFORD J. HINDS,  
Keene, N. H., General Delivery.SITUATION WANTED Head gardener,  
middle age; life experience in the business  
and understands the routine of work inside  
and out; greenhouse plants, fruit, vegetables.  
Married, no family. "F." care  
HORTICULTURE, Boston, Mass.SITUATION WANTED as Foreman by  
first class Grower of Cut Flowers and Pot  
Plants. Knows how to bring in holiday  
plants on time. Ten years as foreman in  
present position. Wages expected, \$25 and  
over. Open for engagement June first.  
A. B., care HORTICULTURE.SITUATION WANTED—By Head Gardener  
(English) on private estate; life experience  
in all branches of Horticulture  
both under glass and outside; well up in  
alpine and herbaceous plants, and all work  
in general on a private estate. Good references.  
Married, no family. "F. L." care  
HORTICULTURE**FOR SALE**FOR SALE—Fresh from factory, new;  
10 x 12, 16 x 18, 16 x 24, double thick. A  
and B qualities. Market dropped. Now is  
the time to buy and save money.PARSHELSKY BROS., INC.,  
215-217 Havemeyer St., Brooklyn, N. Y.

# PINO-LYPTOL

## WEED KILLER

THE VERY NEWEST AND QUICKEST METHOD OF DESTROYING WEEDS, GRASS AND OTHER GROWTH IN GARDEN WALKS, GUTTERS, TENNIS COURTS, DRIVEWAYS, ETC.

This fluid absolutely destroys all weeds and other growth wherever applied, and its effect on the ground prevents the growth of fresh ones for a year and thus saves a great deal of time and labor, as no cutting, hoeing or hauling away of the weeds is required.

We manufacture the strongest line of DISINFECTANTS on the market.

P.-L. CHEMICAL CO., 507-509 W. 19th St., New York

CORRESPONDENCE SOLICITED.

## During Recess

New York Florists' Club.

The time honored annual dinner, this year remodeled into a dinner dance, or "din dan" in the vernacular, took place on Saturday evening, April 8, in the ball room of the Biltmore Hotel. According to the verdict of all who attended this was the finest and most enjoyable affair in the club's history and Messrs. DeForest and Sheridan, chairman and secretary respectively, with their committee associates, are entitled to display each a big red feather in their caps. The centre of the big hall was reserved for the dancing and the tables were arranged about the sides, eating and dancing going on simultaneously, as it were, and the customary series of after dinner speeches was practically discarded as a feature.

A pleasant episode was the presentation to Ex-president Harry A. Bunyard of a gold watch and chain together with a diamond pin for Mrs. Bunyard, Patrick O'Mara making the presentation speech. Robert Craig, of Philadelphia, and R. G. Halloman, of the International Exhibition Company, spoke briefly in praise of the successful flower show in progress at the Grand Central Palace and the efficiency of the officers, committees and judges. Charles Schenck and Mrs. Schenck were winners of one of the Lord & Burnham silver cups in the "elimination" dance.

## Washington Bowlers.

In the Atlantic Coast Bowling Tournament the main event, insofar as the florist trade is concerned, took place last week when the Shaffer team lined up with the Gude Bros. team in competition with a number of others. The standing of these two was as follows:

### SHAFFER.

Dunn	92	86	101	279
G. C. Shaffer	98	96	88	282
Supper	82	81	76	239
A. Shaffer	86	79	88	253
Gouldman	88	100	93	281

Grand totals .... 446 442 446 1,334

### GUDE BROTHERS.

Hohman	89	91	79	259
Keefer	88	93	101	282
Palmer	82	59	50	191
Hawley	88	72	79	239
Cook	95	91	73	259

Grand totals .... 442 406 382 1,230

## N. Y. Florists Bowling Club.

Scores Recorded Thursday, April 6.

J. Miesem	179	163	167
P. Jacobson	168	163	151
C. W. Scott	154	173	161
J. Fenrich	157	149	155
W. P. Ford	151	148	156
A. Kakuda	150	148	156
A. Lemoult	111	131	120

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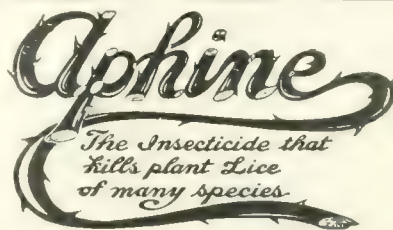
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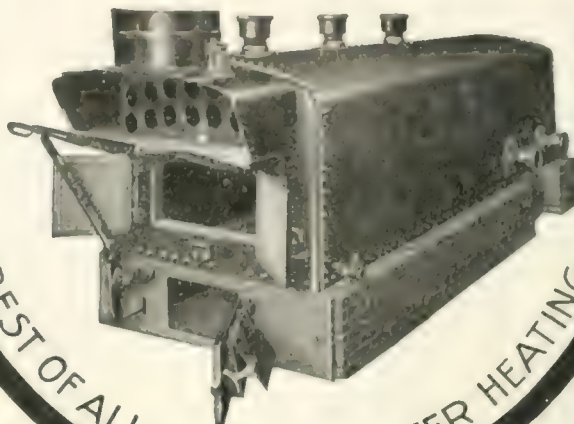
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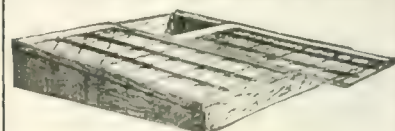
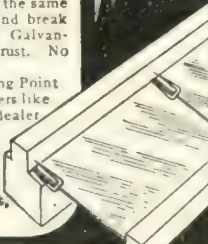
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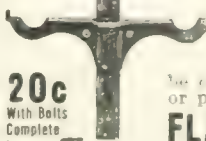
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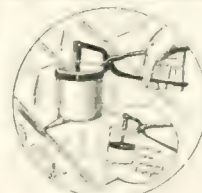
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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—Pope.

## Begonia Gloire de Lorraine

Cultural encouragement now before the heat of summer interferes will tell plainly on the stock in the early autumn and whatever degree of size and vigor is now imparted by special good treatment is a permanent gain, while any neglect at this season cannot be made good at any time later on. The early propagated stock should now be far enough advanced to require 4-inch pots. For compost use three parts turfy loam, two parts sand and one part very old manure. Give careful watering. Pinch out the points to make them stocky. Thrifty little plants from leaf sets and still in their first pots, should be transplanted before they become root-bound. Place in a temperature of from 55 to 60 degrees at night and ventilate freely. They will need some shade from this out to keep the leaves from burning. Give light fumigations every ten days to keep them clean from fly. Where you can plunge the pots they will grow along better.

## Bedding Plants

Pricking out and potting seedlings and cuttings will now take up a good deal of our time. Seedling annuals, particularly asters, will need to be transplanted into other flats, one inch apart, and when doing this do not forget to insert the little plants down to the seed leaf in the new soil. The big *Caladium esculentum*s started in flats weeks ago are already wanting a 5-inch pot. The cannas in flats are now five or six inches high. They must be lifted and potted at once. A 4-inch pot is large enough to make a good bedding plant. Geraniums that were shifted into 4-inch pots three or four weeks ago will be much in need of spacing. Propagation of bedding stock by cuttings and seed should have attention. As they become well established they can be removed to frames.

## Dahlias

Where small lots are grown, spades or trowels can be used for planting. The land should previously have been well manured and thoroughly cultivated. We like to use a stout stake to each plant, but the largest growers by planting closer and pinching the plants after they have made two or three pairs of leaves, to give a stocky, branching habit, dispense with the use of supports. In planting dahlias always lay the roots down flat; a common error is to stand them straight up. Allow four or five feet between the rows where horse cultivation is to be given, and keep stirring the soil on every possible occasion. It is astonishing what a prolonged drought dahlias will stand if a nice, loose mulch of earth is con-

stantly kept on the surface. The sunniest possible location suits dahlias. A ring of soot and lime around each plant will help to ward off attacks of cutworms, and will provide a little food for the plants. If the weather becomes dry they should have some water at the roots.

## Memorial Day Lilies

Most florists have quite a sale for lilies at Memorial Day. Those intended for that date should be grown cool at the present time; about 55 degrees at night will do. It is a hard proposition to hold lilies back if they have been allowed to advance too much up to now. Place them where they can have plenty of ventilation, with a good syringing on bright days. Be very careful not to let lilies dry out, as they are very liable to do at this time of the year. Keep them clean of the aphids by a weekly fumigation. They will stand plenty of liquid feeding now and up to where they begin to show color. Ten days before they are wanted, when the flowers are fairly well expanded they should be kept in some cool place as a cellar or cool shed to gain substance and finish to the flowers. Lilies that have their buds just peeping by the end of April will be about right for Decoration Day.

## Orchids

Now when most orchids are in active growth, liquid stimulants will be a great help to them. Such as calanthes, cymbidiums, cypripediums, phaius, pleiones, sobralias, thunias and others are benefited by feeding provided they have plenty of strong roots. All terrestrial orchids like an occasional weak dose of manure water in their growing season. The Cookson formula is very good. It can be made by mixing three ounces of potassium nitrate and two ounces of ammonium phosphate in a three gallon jar. When feeding orchids use one ounce of this solution to a gallon of water but all this feeding must be done with great care or harm will result. Give weak applications, say at intervals of about ten or twelve days. Be sure that the compost is not dry when applying any liquid stimulants.

## After Easter

After Easter our crowded houses will be relieved and we shall be in a better condition to move whatever plants may need more heat or less heat to different houses. There will be more time now to care for late spring stock, which in most cases is waiting to be potted or pricked out. During the next month we shall find plenty to do in the case of coleus, geraniums, carnations, cannas, chrysanthemums, etc.

Next Week: Care of Orchids; Gardenias; Pot Evergreens; Poinsettias; Primulas; Late Propagations.

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# HORTICULTURE

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...the, the construction of the good, the true and the beautiful. Next week, Horticulture will try to tell the Easter business story.

Fine in value among the flowers recently introduced as commercial cut flowers, we can confidently class the Spanish iris. Ever dearly its name for this purpose has but just begun and there can be no question as to its much larger use in the immediate future. For table centre vase purposes it is really without a superior in its way as those who saw it used with such exquisite effect at the New York Show can testify. Add to its good qualities of pure colors and classic form that very essential trait of long-keeping as a cut flower and the Spanish iris certainly is "some class."

The flower show transition

It is not difficult to discern in the recent developments in showdom some conclusive indications of what we may expect in the character of future public floral exhibitions. Whether we like it or not, we are soon to say good-bye to the old-style flower show with its meaningless pyramids of decorative plants and its rows of clumsy jars and bottles of cut flowers. Decorative art in arrangement will be a potent factor in all pay shows henceforth or else they will not prove "pay" shows. This has been a long time coming, but once here the issue must be met by the schedule makers. The point has already been raised as to what is to become of the small exhibitor under the new order of things. That problem can and doubtless will be settled equitably in due time. Fine cultural skill must have unstinted recognition and emulation in this respect should be given every possible inducement but the time is still far in the future when the American public will be sufficiently informed and appreciative on technical points of excellence to "draw their wallets" in support of such. This we think has been proven beyond question.

Two lines of endeavor

Announcement is made of the award of the Topiarian Club trophy in landscape architecture at Harvard to a California student, second and third places being awarded to Massachusetts students. This is an annual competition open to students of the School of Landscape Architecture at Harvard. The subject of the competition this year was the development of a piece of property with a system of formal gardens on a sloping site, in the style of the gardens of the Italian Renaissance. Another bit of news comes from Cincinnati where the Garden Club is planning for the beautification of the highways and already along one of the principal roads leading into the city Rambler roses have been planted in great abundance for a distance of several miles, in such number that when they are in bloom they will form a veritable arch through the trees. Education in the planting of trees is also to be extended. While glad to know of any and all movements for the advancement and uplift of horticulture, as between the two instances mentioned the latter one does seem to us to promise the greater measure of usefulness if carried forward in a practical and systematic manner. Putting aside the question of the expediency or appropriateness of the introduction of foreign gardening modes in this country the fact remains that topiary gardens can never be indulged in by any but the wealthy. What is most essential is that the people at large be imbued with a fuller appreciation of sylvan and floral beauty.

The Easter glow

We can't help expect that some of you will find your hearts lifted by this busy week. Easter, like Christmas, comes only once a year just now, but for all florists and other nature-lovers we hope and believe that every day will be Easter bye-and-bye. Let us make the best of it while we are here, in the spirit of "peace and good will to all" and improve every opportunity to draw more tightly the ties that bind us

## ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur C. Ruzicka*

### Water in the Vases

This will have to be changed very often: daily, in fact, would be best. If the water is allowed to remain in the vases for a few days it will become stagnant and bad, killing all the leaves that come into it, thus leaving the roses very unsightly and difficult to sell. It is also dangerous to handle roses that have been in bad water for a while, for it is these as a rule that will start blood poisoning when their thorns get into the fingers of the man who has to handle them. The rose jars will have to be washed at least once a week, and if there are plenty of them put half of them out into the sun some bright day to sweeten up. Fibre vases that have begun to wear will last a great deal longer if they are thoroughly dried up and given a good coat of spar varnish being careful to apply plenty of it where it is most needed, which is right on the bottom of the vases on the outside near the edge. It is this part that comes in contact with the shelves or the concrete floor and as is natural it wears most. If the jars are not varnished, the original varnish will soon wear off and water will enter into the fibre, saturating it very slowly, and after a while the jar will go to pieces. Although the spar varnish is expensive it can be made to cover a good many vases and the time and money put into this work will be well spent. Earthen jars keep the water much sweeter and may be easier to keep clean, but they are very easy to break and even with careful handling are bound to get broken. Those that escape, however, will last forever. Barrels that are used for keeping long-stemmed Beauties will have to receive as much attention as the jars. They should not be varnished, however, or painted on the inside, for if they are they will be a long time tightening up if they are ever allowed to remain empty for a while and get leaky.

### Care of Plants That Are To Be Grown On

Plants that will be dried off later, pruned and started up again had better receive good care now so that all the energy that they have will be preserved and the plants start up real well when the time comes. Although we do not recommend using much bone meal at this time of the year, plants that are to be carried over had better receive it all along, for if they are not to be moved into other soil they will get all of the bone in time and there will be no waste. It will also be necessary to keep the plants clean by constant syringing and fumigating regularly to keep greenfly in check. See that they are well mulched from now on, so that they will not suffer in the least from exposure. Do not use too much pressure when watering so as not to disturb the surface mulch very much, and hold the hose parallel to the bench when watering instead of holding it at right angles. This will help keep the mulch in place and will not wash it toward the center of the bench where it would soon pile high, being of very little benefit to the center rows, and more likely to do harm by keeping the plants too wet all the time.

### The Sod Heaps

All soil that was not put up in the fall should be pushed right along now, so that the soil will be ready

when the time comes to plant. In piling up the sod it is best not to make the layers too thick. The first or ground layer can be a foot in thickness but the remaining layers should be only about six inches, and then a coat of manure. This is repeated until the heap is as high as it is wanted. Should manure arrive too late to be put into the sod heap it can be piled right on top, turning the hose into it about once a week so as to saturate all the soil in the heap. This will help a good deal in mixing the soil and the manure, especially if it is done while the sod is still alive, as the roots of the grass will then catch a great deal of the manure and store it, leaving it in the soil when they die. If the water is not turned into the heap, chances are that the manure will not work into the soil at all, or if it will it will not go through properly so that there will be a great deal of the soil about the same as when it comes from the field, merely having lumps of manure in it. This is not ideal rose soil, it being much better if a large portion of the manure is dissolved and absorbed by the sod, turning this very dark in color. Many growers add bone meal to the sod when the heap is being put up but we would rather put the bone in just before the soil is taken into the houses. It will lie quite a while before the roots get through all of it, giving the bone plenty of time to decay.

### Bonemeal for Roses

HORTICULTURE Pub. Co..

Your article on rose culture in issue of March 25, written by Arthur C. Ruzicka, recommends liquid manure only. I have always found bone meal necessary. Bone meal is not soluble in water. How about it? **CONSTANT READER.**

I was wrong in stating that bonemeal was not soluble in water. What I really meant was that a large portion of it will not dissolve at once, thus wasting quite a little, and it is always waste that will eat into the profits of the growers. If you will watch my articles you will see I recommend plenty of bone both in the soil and applied all fall and early winter. If this is done as we do it the liquid manure will suffice in the spring and there will be very little unused bone going out with the soil. Growers who can use all their old soil to good advantage will not have to be so careful for they will get it back in hay, corn or whatever crops the old soil is used for. I could not recommend heavy applications of bone meal in the spring on plants that are to be thrown out and feel right about it for I know from experience that a good portion of the bone is not consumed. We use plenty of bone in the fall and early winter, as I have stated above, and I advise others to do the same, and will again when fall comes around if I am still here to write for HORTICULTURE. As for using other preparations such as tankage, blood and bone, etc., I often use all of them, but find it rather difficult to advise others to do so, owing to the fact that HORTICULTURE's circulation covers the whole country and what we would call tankage here may be something altogether different elsewhere as far as actual analysis goes. If there was only one brand of bone, blood and bone, sheep manure, etc., it would be very simple, as growers could not go wrong. There are many places both private and commercial that have no facilities for applying liquid manure. We receive many letters which are often answered by mail, asking advice as to this or that, and any good fertilizer or other article used in the greenhouse or garden will not go unrecommended where the user will profit by it. There are plenty of wide awake growers who are always on the lookout for new things that are better than what we have had, thus insuring sales for any good article well advertised.

## CLUBS AND SOCIETIES

### GARDENERS' AND FLORISTS' CLUB OF BOSTON.

At the monthly meeting on Tuesday evening, April 18, it was decided to hold the next meeting on July 27 and ladies night will take place at the regular June meeting. At the September meeting the ladies will again be entertained and there will be a reception lecture. It was voted that a letter of sympathy be sent to the family of the late Albert Roper. An invitation from Stephen M. Weid of Dedham to visit his garden on May 15 was unanimously accepted. The lecture by F. A. Smith, principal of the Essex Agricultural School, Hawthorn, Mass., on "Orcharding" was a very good and useful talk. The lecturer laid stress on the value of cultivation, pruning and fertilization. He suggested that apples and pears are best planted in the fall and stone fruits in spring. He advised planting semi-permanent trees such as Mackintosh and Wealthy between the permanent orchard but laid emphasis on the necessity of cutting these out before crowding the ones that are to remain. Also advised employing dwarf or Paradise stock as fillers as well as small fruits in the early years of the orchard. He also advised growing rape on poor ground as a cover crop to be ploughed in, or clover on good soil to be treated likewise.

A report of cultural merit was given to James Wheeler for a verse of single yellow marguerites; large flowers. Report of merit to F. W. Fletcher & Co., for snapdragon Enchantress. Vote of thanks to James Methven for White Gem celery; very good and late.

### WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

The regular meeting of this society was held in Greenwich, Ct., on April 14. A charming feature was the fine display on the exhibition tables. Harry Turner, of the Morris Nursery Co., was a visitor and addressed the meeting briefly. A committee was appointed to arrange for the show to be held in Mamaroneck, N. Y., in June, and which bids fair to be one of the society's best efforts. For the fall show to be held in Greenwich, Ct., Oct. 31 and Nov. 1 valuable prizes of cash, cut glass and silverware will be offered and the schedule will be arranged so that the small grower as well as the large grower will have a chance to compete. A discussion of the recent exhibitions held in Philadelphia and New York brought out some interesting observations. The following awards were made:

Carnation Alma Ward, from James Linane, hon. mention; Carnation Watchless, from Robt. Grunnert, hon. mention; Am. Beauty roses, from Jas. Foster, cultural certificate; Rose Ophelia, from Jas. Stuart, cultural certificate; P. W. Popp, tulip collection, including many of the newer sorts, certificate of merit.

Next meeting May 12, don't forget to bring an exhibit.

P. W. Popp, Cor. Sec.

### Meetings Next Week

#### Monday, April 24

Essex Agricultural School, Care of  
H. A. Smith, Hawthorn, Mass., Prov-  
ence, R. I.  
Gardeners' and Florists' Club of  
Boston, Florist Exchange Hall,  
Boston, Mass.

#### Tuesday, April 25.

Newport Horticultural Society,  
Newport, R. I.  
Fairfield Horticultural Society,  
Fairfield, N. Y.

#### Wednesday, April 26.

Oyster Bay Horticultural Society,  
Oyster Bay, N. Y.

#### Friday, April 28.

Connecticut Horticultural Society,  
County Bldg., Hartford, Conn.  
Monmouth County Horticultural  
Society, Red Bank, N. J.  
Pasadena Horticultural Society,  
Pasadena, Calif.

#### COMING EXHIBITIONS.

May 10, 14, Boston. May Show  
Massachusetts Horticultural Society,  
Horticultural Hall.

### NEW HAVEN COUNTY HORTICULTURAL SOCIETY.

This society has just issued its preliminary schedule of the 84th annual exhibition in September. The prize list is over seven hundred dollars.

The special prizes are stated in detail. Among the donors are Knight & Struck Co., New York; Michell Seed House, Philadelphia; Bobbink & Atkins, Rutherford, N. J.; J. M. Thorburn & Co., New York; Sunnyside Gladiolus Gardens, Natick, Mass.; Willis E. Fryer, Mantorville, Minn.; Munsell & Harvey, Ashtabula, Ohio; C. Louis Alling, West Haven; F. C. Sheldon, New Haven; P. W. Popp, Mamaroneck, N. Y.; Arthur Cowee, Berlin, N. Y.; Elm City Nursery Co., New Haven; Pierson U-Bar Co., New York.

The State of Connecticut, through the Board of Agriculture, offers valuable cash prizes, open to all citizens of Connecticut, for potatoes and corn. These prizes are to be competed for at the annual mid-winter meeting of the State Board of Agriculture.

### ST. LOUIS FLORIST CLUB

This club held an interesting meeting last Thursday afternoon. The Spring Flower Show committee's report was particularly pleasing. A committee, consisting of F. Windler, W. C. Smith and W. J. Pilcher, was appointed to ascertain the number of square feet of glass in and around St. Louis and report at next meeting. This was on request of the committee to organize a State Florists' Association. David Geddes and President Bourdet gave interesting reports of the National Flower Show. A Vandeven, who has just returned from Holland, gave an interesting account of the bulb situation over there. The

next meeting will take place May 11 at 2 o'clock P. M.

### NASSAU COUNTY HORTICULTURAL SOCIETY.

The regular meeting of this Society was held on Wednesday evening, April 12. A letter was received from Harry Jones, tendering his resignation as secretary, as he had moved to a point some distance from Glen Cove. Mr. Jones has been a most efficient, hard working and courteous official. Henry Gibson, of Roslyn Heights, was elected for the remainder of the year.

A communication was received from the International Garden Club requesting the co-operation of this Society in the open air flower show which the Garden Club will hold in June. Offers of two prizes were received for our coming Rose Show. An essay on "Estate Management and College Education," by Morrell Smith, of New York, was listened to with great interest and a lively discussion followed. S. J. Trepass read a very interesting and practical paper on "Peaches Under Glass." Mr. Trepass exhibited a grafted peach tree and also some samples of fruiting and non-fruiting wood of the peach.

Schedules for the Tulip Show and Rose Show were read and adopted. It was decided to hold the Tulip Show during the week of May 14, the exact date to be announced later, and the Rose Show on June 14. Awards were made to Harry Goodband for lettuce, John Everitt for roses, James McCarthy for sweet peas; Peter McLeod, certificate of culture for sweet peas; William Noonan, honorable mention for violets.

JAMES MCCARTHY, Cor. Sec'y.

### HORTICULTURAL SOCIETY OF NEW YORK.

The Fall Exhibition of this Society will be held from November 9th to 12th, inclusive, at the American Museum of Natural History. The schedule is now being prepared. The part covering the Chrysanthemum bush plants has been completed, and is as follows:

#### CHRYSANTHEMUMS—PLANTS Open to All.

##### Specimen Bushes

In not less than fourteen inch pots.

Class No.	First	Second
A 1 Yellow	\$50.00	\$25.00
A 2 White	50.00	25.00
A 3 Pink	50.00	25.00
A 4 Any other color	50.00	25.00
A 5 Atomate of single, any color	30.00	15.00

In not more than fourteen-inch pots.

A 6 Yellow	\$25.00	\$15.00
A 7 White	25.00	15.00
A 8 Pink	25.00	15.00
A 9 Any other color	25.00	15.00

##### Specimen Standards

Not less than four feet in diameter, and not less than three feet stem.

A 10 Any color	\$20.00	\$15.00
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##### Specimen, Odd Shape.

A 11 Any color	\$20.00	\$15.00
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When the remainder of the schedule is completed announcement of the fact will be made.

GEORGE V. NASH, Sec'y.

### ORGANIZATION OF COLLEGE FLORISTS

**RESOLVED:** That the members of the S. A. F. and O. H. interested in the line of floricultural education and research be recognized as a Section of the S. A. F. and O. H. under the title of the College Florists' Section of the S. A. F. and O. H.

The above resolution was adopted at a meeting on March 29th in Philadelphia.

At the call of Prof. A. H. Nehrling of Massachusetts, H. B. Dorner of Illinois, E. A. White and A. C. Beal of New York, B. W. Anspen of Maryland, E. I. Wilde of Pennsylvania, A. H. Nehrling and A. S. Thurston of Massachusetts, together with W. N. Rudd and Richard Vincent, Jr., gathered at an informal meeting and dinner, which was held at the Hotel Walton on March 28th.

At this meeting various problems connected with teaching and experimental work were discussed. Among some of the things which were talked over were, how to establish a closer relationship of the commercial men with the colleges, how the colleges might co-operate with the commercial man, the best methods to use to give students a practical training in floriculture, the education of the public to a greater appreciation of flowers, and the placing of students during vacations in order that they might get actual experience along practical lines. Many valuable suggestions on these and other subjects were offered by Mr. Rudd and Mr. Vincent.

As a result of this informal meeting it was felt that there was need of an organization which not only would be of mutual benefit to its members, but could co-operate with the S. A. F. A. S. THURSTON.

### CLUB AND SOCIETY NOTES

The annual flower show, under the direction of the Gardeners' Union, will be held in City Hall, Lewiston, Maine, on August 24-25.

At the monthly meeting of the New London (Conn.) Horticultural Society, William A. Dawson, of Willimantic, gave a talk on "The Carnation."

The April meeting of the New Lon-



NEW YORK INTERNATIONAL FLOWER SHOW.

Flowering Plants and Bulbs Arranged for Effect by J. Canning, Supt. for A. Lewisohn, Winning 1st Prize, \$250.

don Horticultural Society was held on the 13th inst. with Wm. A. Dawson of Willimantic as speaker, the subject being "The Carnation and Its History." Mr. Dawson had several vases of blooms, also the local gardeners who also exhibited a lot of bulbous stock. This was the largest meeting the society has ever had, as the hall was packed even to standing room. The society decided to do away with the Summer Show owing to lack of support on the part of the public. Three new members were elected to membership. H. E. L.

There was a good attendance at the regular monthly meeting of the Lenox Horticultural Society on April 12. Ed. Jenkins was given an award of merit for a display of Spencer sweet peas. A letter was read from the International Garden Club, asking the co-operation in the Summer Show at

Pelham Bay Park in June. It was agreed to give the show all possible support. The paper selected for the evening was "Estate Management and the College Graduate." A good discussion followed. The next meeting is on May 10

J. H. FRAMPTON, Asst. Secy.

At the meeting of the Connecticut Horticultural Society, April 14, a collection of pansies, by Charles T. Beasley & Co., East Milton, Mass., was awarded a first-class certificate. H. R. Hurd, of the C. M. Beach estate, West Hartford, was awarded a first-class certificate for stocks. On the question of pruning grape vines Prof. George T. Whitten said that very good results were obtained by partial pruning in the fall just before freezing and again in the early spring. Fred Boss, head gardener at Elizabeth Park, gave a demonstration of pruning shrubs, accompanied by a most instructive talk of the various operations. He was followed by President Hollister, who showed the old and the new style of grafting and budding, giving a practical demonstration of the processes. John F. Huss exhibited small conifers grafted a year ago last February and gave an account of his visit to the flower shows.

### POLYANTHUS PRIMROSES.

Innovations in every line are always welcome, especially if they are of the kind that raise the standard. William Sim and his polyanthus primrose—*Primula elatior*—have done just that, created a new standard for the primrose growers. The keeping qualities of this primrose are among its chief assets. Mr. Sim showed us a bunch that he had picked two weeks previous and apparently it was just as good as if it had been picked on the preceding day. Many tints and shades of yellow are produced. H. M. Robinson & Co. are selling the output of Mr. Sim's houses.



NEW YORK INTERNATIONAL FLOWER SHOW  
EXHIBIT of Max Schling

## WHAT THE COMING OF THE S. A. F. TO THE SOUTH MEANS TO THE SOUTHERN FLORISTS.

Read and hear R. C. Kessler, Vice-President of the American Florists' Association, at the S. A. F. Convention at Houston, Texas.

I have chosen this subject for two reasons. First, I have an inherent interest in it, and secondly, for the S. A. F. and general business. I do not wish to make an opportunity to offer a few suggestions leading up to our S. A. F. convention which meets this summer in Houston.

We florists are a very conservative people. We believe in holding on to the things that have been found valuable. Sometimes we hold on to some until they have lost their real worth. We criticize the Chinese people because they have been holding on to the old things of their civilization that they have cherished for generations. Progress in usefulness and in influence of any trade or profession depends more on the vigor with which new ideas are developed and used than upon mere industry in following long established practice. I am glad to testify to the fact that the people of our entire Southland according to my observation are doing the best that is within them. That the florists of the South are waking up to the importance of organization is demonstrated by the activities of this society, the New Orleans Horticultural Society, the Texas State Florists' Association and other southern florists who are considering the matter of state and local organization at this time. And the florists of the South should be more strongly organized than any other section of the country, due to the many obstacles that we have to overcome. Difficulties in our growing departments are many; our establishments, especially in the lower southern states are not up to the standard, but these conditions are fast being remedied with modern stores, modern greenhouses and—best of all—modern business methods. What is bringing about this change in conditions? Local and state organizations are being organized. Florists are getting together discussing these matters, exchanging ideas.

You walk into a poorly kept store or a rundown greenhouse where everything appears to be some ten years behind the times, and say to the manager something about taking an interest in some local or state organization and his answer will invariably be that he never attends a convention. He does not believe in organization, never attends or takes any interest in the flower shows. He cannot figure out in actual dollars and cents the good he can derive. That man is short-sighted. He thinks he is economical. He does not realize that he can bring back from a convention some good ideas that if put into practice will be money in his pocket.

If the florists of the South are going to have any conception of what the other florists of the United States are doing, then they have to go and attend these conventions. Send your representatives along and get one of your live newspapers to send a reporter and there is no telling what the value of the report would be to the florists of your state. Who are your progressive florists? I can pick him out. He is

the one who takes an interest in your local, state and national organizations. He is the one who belongs to the Chamber of Commerce, The Ad. Club, the Merchants' Association and other commercial organizations. I say all these are business affairs in any nothing of the good to be derived by coming in contact with business men of other lines. Many of our florists are prone to do the work of a two-dollar-per-day man instead of studying the business getting side, such as the sales force, the advertising, the display, etc. The fundamental purpose of government, the very foundation stone upon which the success and prosperity of a people must depend is the strength, vigor, the health of the people who live under its flag. And our work brings us out into the open, in touch with all that is beautiful and good and lifts our heart and soul to better and higher things.

The S. A. F. is to meet in the South. We want everyone possible there and after you attend the convention and return home, then consider what it means to you, what you put into it, what you brought back home to be put with your great storehouse of knowledge. Was it all worth while from the standpoint of time, money and fellowship?

Two years ago among many other southern and western florists, I was in attendance at the S. A. F. Convention at Boston. We all asked this question—Why does not the S. A. F. come South? Some of the old timers stated that they had only a small membership in the South and the South takes no interest, nor are the florists of the South awake to the importance of organization. We southerners talked it over and agreed that what was said was true. But we left Boston with the determination to go home and stir up interest in organization work and show the S. A. F. and the world that we were alive. The florists from all over the country have been watching the southern florists for the past two years. At the San Francisco convention we extended our invitation. It is needless for me to state the results; it was a landslide. Yes, willing, glad to come to be in our midst. Now, fellow florists, it is up to us to show our mettle. To show them we appreciate being affiliated with them, and are glad they are on their way to be with us. We must now show the florists of the country that we do nothing half way. To make the convention come up to the standard in every way it will only take two things from you—little to put in, but which if left out would mean failure—and these two things your membership in the S. A. F. and your presence in Houston. The Texas florists pledge the rest. Your membership and your presence is all we ask. We must attend these conventions as a labor of love, as the outgrowth of deep-seated loyalty of citizenship and as long as we feel this loyalty, as long as it will inspire us, we will have no trouble. We will have large audiences and a great deal of good will be done. I may be old-fashioned in that idea, but I love the idea of loyalty and patriotism and if we do not find sufficient loyalty and patriotism to uphold the S. A. F. I shall be sadly disappointed. I believe we ought to hold this matter up as a great movement, an expression of the

loyalty of the people of this country for the good of the whole people, without any regard for direct self returns. Of course, we get returns—returns in the way of sociability and improvement and in the enjoyment of each other's society, but I mean without any narrow motive and I believe that we are coming to the test of our loyalty and citizenship along this line.

We are going to have a record breaking attendance and I will tell you why. It is the one opportunity for the florists from the north and east, west and central states, to see this grand old southern country and meet I am a Texan and Texas Man. It has been said that when the American Indian was being gradually crowded out of the northern states, there was one tribe that held its own better than the average tribe, but gradually, one by one, the great warriors of this tribe were stricken down either by the gun of the white man or by starvation. The wild buffalo were also disappearing and finally there was but one great warrior left. Brooding upon the many trials of his people, he finally turned his back upon his northern home and set his face toward the setting sun. He finally reached the borders of our Texas before it became a state. Awakening one morning, he looked upon the broad horizon; he saw a great herd of antelope and buffalo; he saw flowing before him a beautiful river and the whole earth seemed to him covered with beautiful flowers. There were thousands of blue bonnets; there was the red blanket, and as it seemed to him a thousand other beautiful wild flowers; and he looked up into the heavens and there was not a cloud in sight. His heart was so filled with delight in this new country, that he cast himself on the ground and exclaimed "Tejas!"—land of sunshine and flowers.

And Houston in the great State has many attractions and never fails to meet her visitors more than half way. With the numerous points of historical interest within easy reach of our city, our entertainment committee arranging a trip down our ship channel to the San Jacinto battle grounds, also other trips to our seashore attractions, which are likewise unusually accessible, and to that famous summer resort, Galveston; these and many other attractions make the city an ideal one from the visitors' standpoint. Right now we are planning the convention garden, which promises to be among the best yet displayed by previous conventions. Mr. Kessler, the famous landscape artist of St. Louis, is acting in an advisory capacity with our own Mr. C. L. Brock, park superintendent to the city of Houston, who has this work in charge, and you may rest assured that a great treat is in store for you. Our convention hall is one of the largest in the South and present indications are that it will be packed to the limit with exhibits. Our three-million-dollar hotel, the Rice, will be the headquarters. So, you see, it will be worth while to attend this convention in Houston. Now, I want to make my last plea for your support with your membership and your presence. One thing about this movement is that everybody can work at it. We ought to go home from here with new inspiration, with a full realization of the splendid work which stretches out before us, and we ought to accomplish great results.

## SUMMER FLOWER SHOW FOR NEW YORK.

A meeting of officials and members of the International Garden Club, including Mrs. Chas. F. Hoffman, Mrs. James L. Breese, Mrs. Chas. D. Dickey, Mrs. Amory Carhart, Mrs. J. J. Wyson, Mrs. H. de Berkeley Parsons and others who are interested in the forthcoming show to be held in the club's grounds at Pelham Bay Park, Pelham Bay, N. Y., June 1-4, met at the Hotel Biltmore, New York, on Friday afternoon, April 7, there being between 60 and 70 present. Dr. Geo. Norton Miller presided.

The meeting was to consider the premium list already prepared by the schedule committee, to appoint a secretary-manager to carry out the arrangements for the show, and to make other provisions in that connection.

J. Harrison Dick, as secretary of the schedule committee, read a letter that he had sent to Mrs. Chas. F. Hoffman, president of the International Garden Club on March 11, naming the gentlemen who had accepted invitations to serve on this committee, and incorporating in the letter the principal suggestions made by the committee. Appended was the preliminary schedule.

Mrs. Hoffman thought that the sum of \$3,000 previously suggested would be all that the club could guarantee for prizes, and asked that the preliminary schedule be made to conform to this amount.

Short speeches were made in favor of the proposed show by Richard Vincent, Jr., president of the American Dahlia Society; Wm. Carter, secretary of the Bernardsville Hort. & Agri. Society; John Featherstone, president Tarrytown Hort. Society; David McIntosh, secretary Tuxedo Hort. Society; T. A. Havemeyer; B. Hammond Tracy, representing the American Gladiolus Society; P. W. Popp, corresponding secretary of the Westchester & Fairfield Hort. Society; Anton Bauer, Deal (N. J.) Hort. Society; Bertrand Farr, president of the American Peony Society, and W. A. Manda, speaking as an exhibitor.

It was generally agreed that a charge of \$5 should be made for entrance on the first day, \$1 the second day, 50c. the third day, with one free day. This matter, however, together with the appointment of the various committees, was left in the hands of the executive committee of the International Garden Club.

Harry A. Bunyard proposed, and John Canning seconded, the appointment of Arthur Herrington as secretary-manager, which was unanimously agreed to. The date June 1-4 was definitely adopted.

It is hoped that the new preliminary schedule will be published within the next few days, but other cups, donations or prizes from societies or individuals are expected, and may be added to the final schedule.

Very considerable interest was shown throughout the proceedings, the general verdict being that a summer show properly organized and carried through, was what was wanted, and that it would be desirable for the smaller organizations to combine and make one thoroughly representative show.

Promise of support was received from various members of other garden



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The Coldwell Walk Type Motor Lawn Mower is ideal for broad lawns. Cuts from half an acre to an acre an hour. Weight on rollers from 500 lbs. (Model H) to 1,100 lbs. Travels 4 miles an hour, uphill and down. All you do is follow and guide. Cuts 30 in., 35 in. and 40 in. swaths.

**Coldwell "Threesome."** Three mowers behind one horse, cutting an 87-inch swath. All gears run in grease cases, which keep out all dirt.

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clubs, including those of New Rochelle, New Canaan, Ridgefield and Cheltenham.

#### VISITORS' REGISTER.

Chicago—C. C. Batey and family from the Gulf Coast.

Toledo, O.: Jack Phillips and son. Mt. Pleasant, D. C.

Boston: R. C. Benedict, Botanic Garden, Brooklyn, N. Y.

Cincinnati: Frank J. Farney, Phila.: Miss F. White, Lexington, Ky.

Pittsburgh: Mr. Blackshaw, repr. A. L. Randall Co., Chicago; Mr. Farney, M. Rice Co., Phila.

Philadelphia: Wm. F. Dreer, Santa

Barbara, Cal.; Fred Lautenschlager, Chicago, Ill.; William F. Gude, Washington, D. C.; W. C. Langbridge, Cambridge, N. Y.

Washington, D. C.: Charles E. Meehan, Phila.; Harry Koolbergen, Boskoop, Holland; J. S. Simmers, Toronto, Canada; I. Rosnosky, Phila.; J. W. Grandy, Jr., Norfolk, Va.; Robert Shoch, Phila.; Claymore Sieck, Charles E. Smith & Co., Baltimore, Md.

At the recent exhibition in Buffalo, N. Y., prizes were awarded in the different flower and plant classes to David Scott, C. T. Guenther, W. Preissach, L. H. Neubeck, W. J. Palmer & Son, Chas. Sandiford, Chas. Schoenhut, C. F. Christensen, Erie Floral Co., L. C. Stroh, the largest winners being W. J. Palmer & Son.

## SEED TRADE

### One Week's Imports.

Imports at the port of New York of horticultural material for the week ending April 7, were recorded as follows:

Bulbs—France, \$80; Netherlands, \$21,228; England, \$1,731; Scotland, \$95; Bermuda, \$2; Japan, \$1,705.

Plants, etc.—Belgium, \$2,378; Denmark, \$30; France, \$9,467; Netherlands, \$92,300; England, \$3,256; Scotland, \$16; Ireland, \$6; Guate, \$65; Japan, \$2,472.

Red clover seed—France, \$191,740; Italy, \$21,227.

Clover seed—Canada, \$4,197.

Grass seed—Denmark, \$1,970; France, \$377; England, \$2,579; Scotland, \$392; Ireland, \$12.

All other seeds—France, \$9,606; Malta, \$1,476; Netherlands, \$2,231; England, \$32,074; China, \$7,183; British East Indies, \$6,672; Japan, \$13; Morocco, \$2,099.

Fertilizers—England, \$8,709.

### Notes.

The schedule of the Sweet Pea Exhibition to be held under the auspices of the American Sweet Pea Society in the concert room of the Palace Hotel, San Francisco, on June 9 and 10, has been distributed and copies may be obtained from Frank G. Cuthbertson, secretary, 749 Front street, San Francisco. Exhibitions are to be held this year at Bar Harbor, Me., San Francisco, New York and Philadelphia.

Pittsburgh seedsmen say they are satisfied with this season's business. Last year's exceptional prosperity is credited to the "hard times" then prevailing, many mechanics and laboring men being out of work and taking to home gardening for their table supplying. This year sees entirely different trade conditions, when it is almost impossible to get men for outside work, owing to the tempting superior pay of mill work.

At the monthly session of the Horticultural Society of Western Pennsylvania, in Pittsburgh, cultural certificates were awarded as follows: Michael Curren, Sewickley Heights, for carnations; Walter James, gard. for W. Henry R. Hilliard, cinerarias. David Fraser showed hyacinths and Thomas E. Tyler new narcissi. Anthony Aloysius Leach also showed narcissi. The program for the next session will include a paper on "Vegetables—What to Grow and How to Grow Them," by Michael Curren. "Hardy Perennials and How They Should Be Grown," by James Murphy. Mr. Thompson of the farm for the Woods Run Settlement, will tell what has been accomplished there.

William H. Dildine, speaking before the Rochester Florists' Society on April 10, said that the seed business had been badly upset by the war and that seedsmen in New York State are as hard hit by the war as those of England. "If the war should end today," said Mr. Dildine, "it would take ten years to get back to the normal state so that, in ordering seeds from Germany, we should be able to rely upon the seeds sent to us. This is true of other countries as well as of Germany. After the war the market will

be glutted with some things, but I cannot see that prices, on the average, will be much lower. In general, I do not think there will be a shortage of seeds, except in a few varieties, which is common even in normal times, but there will be a greatly unsettled condition of the market."

### A Letter From Any Congressman.

(From The New York Evening Sun.)

Dear Sir: I am having forwarded to you a package of flower seeds which are furnished by the Department of Agriculture. Should it be impossible for you to use them please hand them to some neighbor who may desire them.

The Agriculture Department publishes a number of very interesting bulletins upon a great variety of subjects. Some of the more important are indicated in the list on the other side of this letter, and many of them undoubtedly contain information useful to you.

Write and let me know what bulletins you desire, and please send me your correct address. Assuring you that it is always an honor to serve and a pleasure to hear from you, I am,

Very sincerely yours,

### Suggested Form Letter for Reply.

New York City, March 31, 1916.

Dear Sir: I cannot remember whether I voted for you or not, but I am delighted and flattered by the receipt of the flower seeds. So much so, indeed, that I promise to vote for you hereafter whenever I think about it. And this, I take it, is the effect which you counted upon producing with the flower seeds.

I do not at the moment recall where you stand with regard to the issue of adequate preparation for national defence. You have never written me your views about that, or asked for mine. But, after all, it is a trivial thing as compared with the flower seeds. My interests, like your own, are almost exclusively aesthetic.

What are your ideas concerning the proper manner in which to create an American merchant marine? Or have you any? Of your own, I mean. No matter. I ask in a spirit purely academic. I am more interested in flower seeds.

Do you believe that we should continue to maintain a number of isolated, useless and expensive army posts, merely for political and pork barrel purposes? What is your record in this matter? Perhaps you have gone a long way, personally, in your efforts to reform this condition. Pardon me if I have not taken the trouble to learn where you stand on this, just as you have not taken the trouble to inform me. My serious thoughts on government are claimed by flower seeds; it is sweet for Congressman and constituent to exchange pretty floral tokens; I feel it so. Let us not descend to the sordid in our correspondence. Send me a buttercup full of dew.

Are you a Democrat? I suppose I should know without asking. But you have only brought yourself directly to my notice in a horticultural way, and I forget the less significant things about you. I wonder how you divined my passion for flowers? If you are a Democrat, are you more influenced in your legislative attitude by that raging militarist, that Caesar, President Wilson, or that imperial-minded Pompey, W. J. Bryan, who has but to stamp his foot in the day of trouble to bring a million men to arms between dawn and dusk? If it is more politic to avoid choosing between these two, do not reply. I would forget if you told me. My great concern is with the eggplant, the dog-tooth violet, the daffodils that come (as I am poetically informed) before the swallow dares.

To what extent are you influenced by the pro German propaganda in your district? If you feel any hesitancy about answering in words send me a hyacinth and I will understand.

What is your opinion of Josephus Daniels, and what he is doing for our well-known navy? Would you be one of ten million signers to a petition urging his resignation? Reflect profoundly before you answer. And if reflection brings no answer, some day you and I will pluck a daisy, and as we pull the petals one by one we will murmur: "I love Josephus! I love him not!" etc. And if we find we love him we will go and stick musk-roses in his long sleek ears.

Do you know what our Mexican policy is, and how long it has been that and

why, and do you approve of it? Has President Wilson conferred with you lately about it? If so, I trust I am not indiscreet—did you tell him what you really thought? Or only what you thought he would want you to think that week? I have no genuine curiosity about this. I want a magnolia from the Capitol grounds.

Do you believe the railroad mileage allowance for Congressmen is sufficient? Or should a gasoline allowance be added now that the price of gasoline has risen? Send me a Johnny jump-up and I will know what you mean.

Please continue not to bother me with your thoughts on the proper way to raise revenue, and the proper deserving Democrats upon whom to spend it. I would pretend a perfunctory interest for the sake of politeness, if you confided your views on these things to me. But all the time my heart would be in the botanical gardens.

Assuring you that I appreciate your assurance that it is always an honor to serve and a pleasure to hear from me, I thank you for the intuition which informed you of my well-nigh uncontrollable fondness for flowers. Sir, a primrose by the Potomac's brim has always been something more than a yellow primrose to me. It is the greater part of what I get out of being one of your constituents. Won't you have General Goethals let the canal slide for a while, and go down into South America and get me some orchids?

Very sincerely yours,

DON MARQUIS.

### CATALOGUES RECEIVED.

Ernest G. Benson, Seattle, Wash.—Benson's Dahlias for 1916.

Anchor Post Iron Works, New York.—Illustrated Descriptive List of Iron Fences for every purpose.

Rynveld Bros., Lisse, Holland.—Wholesale Catalogue of Darwin, May-Flowering, Breeder and Rembrandt Tulips.

Alonzo J. Bryan, Washington, N. J.—Wholesale Price List of Flowering, Decorative and Vegetable Plants for Spring Planting. Worth perusing.

Mount Desert Nurseries, Bar Harbor, Me.—Select List of Plants for Spring Planting. This includes tender as well as hardy material and is an excellent list of staple goods.

Peter Henderson & Co., New York.—Everything for the Lawn. A lovely lawn and garden border scene in natural colors makes a very effective title page for this useful and timely publication. Everything in the way of material and implements for lawns, golf courses and bowling greens is listed and illustrated in detail.

### MICHELL'S Seasonable Seeds, Bulbs, Plants and Supplies

Send for Wholesale Catalogue

HENRY F. MICHELL CO,  
58 MARKET ST. PHILADELPHIA

### BURNETT BROTHERS

Importers and Growers of

### SEEDS, BULBS, PLANTS, &c.

98 Chambers Street, New York

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Seedsmen, Nurserymen,  
Florists

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# PULVERIZED SHEEP MANURE

(PURITY BRAND)

We have a splendid lot of this excellent fertilizer on hand ready for immediate shipment

Price per ton, \$40; 1-2 ton, \$20; 500 lbs., \$10; 100 lbs., \$2.50

**R. & J. FARQUHAR & CO., BOSTON, MASS.**

## SEEDS--ONION SETS

Appreciation of a high order of Merit in Seeds and Seed Service leads naturally to purchasing from

**LEONARD SEED COMPANY**

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## FORGING GLADIOLUS

All First Size Bulbs

	100	1000
America, pink .....	\$1.25	\$10.00
Augusta, white .....	1.35	11.00
Brenchleyensis, red .....	1.25	10.00
Francis King, scarlet .....	1.25	10.00

**A. HENDERSON & CO.**

211 W. State St. CHICAGO, ILL.

## Burpee's Seeds

PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES  
MAILED ONLY TO THOSE WHO PLANT  
FOR PROFIT.

## W. E. MARSHALL & CO.

SEEDS, PLANTS AND BULBS  
Horticultural Sundries

166 W. 23rd St., NEW YORK

### "SEEDS WITH A LINEAGE"

Seeds with a generation of finest flowers and vegetables back of them—carefully selected—really tested.

Write today for Catalog.

**CARTER'S TESTED SEEDS, Inc.**  
166 Chamber of Commerce Bldg.  
Boston, Mass.

## BEGONIA, Mariemont Bedder

Brilliant scarlet with reddish brown foliage. Best bedding variety grown. Packet, 25 cents. Catalogue upon application.

**THOMAS J. GREY COMPANY**  
Seedsmen

29 South Market St. Boston, Mass.

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PENDLETON,  
HALLEY, Etc.

Send to Childs  
**John Lewis Childs, Inc.**

FLOWERFIELD, L. I., NEW YORK

## J. BOLGIANO & SON

WHOLESALE FIELD AND GARDEN SEEDS

Established 1818

Write For Our Low Prices

LIGHT, PRATT and ELLICOTT STS.  
BALTIMORE, MD.

## ONION SEED - - ONION SETS

We have yellow sets to offer and a limited quantity of fine Red Globe seed, together with a few other varieties. Are also submitting contract figures for the 1916 onion seed crop. If interested write for prices.

**SCHILDER BROS., Chillicothe, O.**

## SWEET PEA SEED

Winter or Summer Spencer, only the best commercial varieties.

**ANT. C. ZVOLANEK**

SWEET PEA RANCH  
LOMPOC, CALIF.

## KEYSTONE SNAPDRAGON

Best Winter Flowering Pink Snapdragons on the market. Per pkt., \$1.00; 6 pkts. for \$5.00.

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PHILADELPHIA, PA.

Your Best "Help" —  
in all Seasons



The modern scientific method of plant raising.

Send for illustrated descriptive circular and sample, 15c.

Also our Collapsible Paper Seed Pot in 2 sizes, 4x2 and 4x3 square, for growing Tomatoes, Sweet Peas, &c., \$10.00 a thousand.

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131 Hudson St., New York  
Department M.

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## TUBEROSES

Dwarf Double Pearl

4½ to 6 inches

\$8.50 per 1000

**J. M. THORBURN & CO.**

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## Tuberous-Rooted Begonias

Single Flowering Type. Red, White, Rose, Yellow, Violet, Orange and Mixed.

100 1000  
Extra Fine Bulbs.....\$2.00 \$17.00

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## LILIUM GIGANTEUM

COLD STORAGE

Extra Selected Stock. Gladiolus for forcing. Nanus, Colvillii or large flowering type. Greenhouse Fertilizers. Ask for 1916 Seed Catalogue.

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611 FIFTH AVENUE  
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Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transmitted immediately by the trade to our selection for delivery on steamships or otherwise receive special attention.

Reference to cash must accompany all orders from unknown correspondents.  
Cable Address, ALEXCONNELL.

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Transfer Your Orders to

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Orders for NEW YORK.  
Write or Phone to

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Adjoining Plaza Hotel

Best Florists in the States as  
References.

EUROPEAN ORDERS EXECUTED.

Member of the Florists'  
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**DAVID CLARKE'S SONS**

Deliver orders from any part of the country to

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Write or Telegraph

2139-2141 Broadway, New York

Telephone 1553-1555 Columbus

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Members Florists' Telegraph Delivery

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NEW YORK CITY

Member Florists' Telegraph Delivery Asso.

WORCESTER, MASS.

Randall's Flower Shop

HARRY L. RANDALL, Proprietor.

Member Florists' Telegraph Delivery Association

**Of Interest to Retail Florists****NEW FLOWER STORES.**

Orcville, Cal.—E. H. May

New York, N. Y.—M. H. May

Cleveland, O.—J. K. Smith

Pittsburgh, Pa.—W. J. H. Smith

Burlington, Vt.—W. E. Peters, 128  
Church Street

Winona, Minn.—Winona Floral Co.,  
65 W. 4th Street

Watertown, S. D.—V. Christensen,  
South Broadway

Baltimore, Md.—Berman & Co., 327  
W. Lexington Street

Revere, Mass.—Flower Shop of Re-  
vere, Shirley Avenue

New Bedford, Mass.—Fred Rey-  
nolds, Olympia Flower Shop

Newark, N. J.—W. R. James, Bloom-  
field & Mt. Pleasant Avenues

Berkeley, Cal.—Berkeley Seed &  
Plant Store, 1986 Shattuck Avenue

Ocean Park, Cal.—Geo. E. Eischen,  
succeeding Walter Armacost & Co.

Los Angeles, Cal.—California Flor-  
ists, removing to Gates Hotel, 6th St.

Williamsport, Pa.—Williamsport  
Floral Co., removing to 146 W. 4th  
Street

Milwaukee, Wis.—M. A. McKenney  
Co., removing June 1 to 113 Wiscon-  
sin Street

Cincinnati, O.—Ed. A. Foster, 123  
W. 4th Street, successor to A. Sunder-  
bruch & Sons

Cleveland, O.—Timothy Smith, 46th  
Street and Euclid Avenue. J. B. Strana-  
han, 105th Street, with Steffin's Art  
Studio

Toledo, O.—Helmar Flower Shop,  
615 Madison Avenue. Eastern Cut  
Flower Co., Superior Street. Jack  
Gardner, Walnut & Bancroft Streets

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*Jinn* The Florist?  
4 Park St., Boston, Mass.

Because Satisfaction  
Is Guaranteed

Established 1874

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N. E. Cor. 44 St. & Madison Avenue, N. Y. City

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Flowers shipped on all Steamers. Special Correspond-  
ence in all the large cities of Europe and the British  
Colonies. Telegraph and Cable address: Dardsflor.

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SONS**

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Artistic Designs . . .  
High Grade Cut Blooms

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada.  
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1234 5TH ST.  
WASHINGTON D.C.

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WASHINGTON, D. C.

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**National Capital**

At your service to deliver Flowers  
or Designs on Order by Tele-  
graph or otherwise. Prompt  
Reliable Service.

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WASHINGTON, D. C.

Rochester, N. Y.

**J. B. KELLER SONS,  
FLORISTS**

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**"THE HOME OF FLOWERS"**

The largest cut flower store in America.  
Orders for the TWIN CITIES and for all  
Northwestern points given prompt at-  
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HOLM & OLSON, Incorporated  
ST. PAUL, MINN.

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FLOWER DELIVERIES FOR ALBANY  
AND VICINITY

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413 Madison Avenue at 48th Street.

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Michigan Ave. at 31st Street

Prompt Auto Delivery  
Service

**THOS. F. GALVIN**  
INC.  
**NEW YORK** 561 Fifth Ave.  
Vanderbilt Hotel  
**BOSTON** 1 Park Street  
799 Boylston Street  
Deliveries to Steamers and all Eastern Ports

## CLEVELAND

**A. GRAHAM & SON**  
5523 Euclid Ave.  
Will take good care of your orders  
Members of F. T. D. Association.

## WASHINGTON

915 F ST. N. W.  
**F. H. KRAMER**  
Auto delivery of Designs and Flowers to  
any address in Washington.  
Stock and Work First Class

Orders Filled Day or Night for  
**CLEVELAND**  
and State of Ohio

Complete Stock. Regular discount to Trade.  
**KNOBLE BROS.**  
1836 W. 25th St., Cleveland, O.  
Members Florists' Telegraph Delivery Ass'n.

**THE SMITH & FETTERS CO.**  
735 Euclid Avenue  
**CLEVELAND, OHIO**  
Flowers of Every Kind in Season

**SALTER BROS.**  
FLORISTS  
38 Main Street, West  
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**HESS & SWOBODA**  
FLORISTS  
Telephones 1501 and L 1532.  
1415 Farnum St.,  
**OMAHA, NEB.**

**S. A. ANDERSON**  
440 Main St., Buffalo, N. Y.  
ANDERSON service means fresh, sturdy  
Stock and prompt deliveries in BUFFALO,  
LOCKPORT, NIAGARA FALLS and  
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The Florist Member F. T. D. Association

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Centrally Located for Deliveries in All Parts of New England.

**H. F. A. LANGE**

125,000 Sq. Ft. of Glass  
WORCESTER, MASS.

## Flowers by Telegraph

Leading Retail Florists Listed by  
Towns for Ready Reference. Orders  
transferred by telegram or otherwise  
to any of the firms whose address is  
here given will be promptly and prop-  
erly filled and delivered.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl  
St.

Albany, N. Y.—The Rosery, 23 Steuben  
St.

Albany, N. Y.—William C. Gloeckner, 97  
State St.

Boston—Thos. F. Galvin, 1 Park St.  
Boston—Penn the Florist, 37-43 Brom-  
field St.; 124 Tremont St.

Boston—Zinn the Florist, 4 Park St.

Buffalo, N. Y.—S. A. Anderson, 440 Main  
St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan  
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid  
Ave.

Cleveland, O.—Adam Graham & Sons,  
5523 Euclid Ave.

Cleveland, O.—Knoble Bros., 1836 W. 25th  
St.

Cleveland, O.—The Smith & Feters Co.,  
735 Euclid Ave.

Denver, Col.—Park Floral Co., 1643  
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,  
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017  
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-  
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th

New York—Dards, N. E. corner 44th St.  
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth  
Ave.

New York—Thos. F. Galvin, Fifth Ave.,  
at 40th St.

New York—A. T. Bunyard, 413 Madison  
Ave., at 48th St.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415  
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25  
Clinton Ave., N.

Rochester, N. Y.—Salter Bros., 38 Main  
St., West.

San Francisco—Pellicano, Rossi & Co., 123  
Kearny St.

St. Louis, Mo.—Fred C. Weber, 4526-28  
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-  
son Co.

Toronto, Can.—J. H. Dunlop, 8-10 West  
Adelaide St.

Washington, D. C.—Gude Bros., 1214 F  
St.

Washington, D. C.—F. H. Kramer, 915  
F St., N. W.

Washington, D. C.—George H. Cooke,  
Connecticut Ave. and L St.

Westerly, R. I.—Reuter's.

Worcester, Mass.—H. F. A. Lange.

Worcester, Mass.—Randall's Flower Shop,  
3 Pleasant St.

*Penn The Florist*

"The Telegraph Florist"

Member of Florists' Telegraph Delivery

124 Tremont St., BOSTON

**REUTER'S** Members Florists  
Telegraph  
Delivery

STORES IN

New London and Norwich, Conn.  
and Westerly, R. I.

We cover the territory between  
New Haven and Providence

ST. LOUIS, MO.

**FRED C. WEBER**  
4326-28 Olive St.

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NOTICE INITIALS. We have one store only

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Euclid Avenue

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**TORONTO**

Delivered on mail or telegram order for  
any occasion, in any part of the Dominion.

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8-10 West Adelaide St. - TORONTO, ONT.

ALBANY, N. Y.

**EYRES**  
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER

11 NORTH PEARL STREET, ALBANY, N. Y.



## NEWS ITEMS FROM EVERYWHERE

### BOSTON.

Ralph Silvey, a well-known member of the craft is now in the employ of Everett Rogers of Roshindale. Mr. Silvey has just returned from a trip to the coast after an absence of nearly a year.

Victor Hartford, son of H. E. Hartford, was incapacitated the first part of the week by a slight case of poisoning caused by a rose thorn imbedded in his finger. He is now back on his job of head packer for H. M. Robinson & Co.

It is rumored that Albert Strumph manager of the H. M. Robinson Co., is engaged to be married shortly after the Easter rush. It has been a favorite topic of discussion with the trade as to who Mr. Strumph would finally honor and we are about to find out.

Stephen Drumgoole, lately with Max Fine of Dartmouth street, has entered into partnership with Charles Fine of Massachusetts avenue. Mr. Drumgoole is a well-known designer and has received prizes many times for his skill in making up floral pieces.

### PHILADELPHIA.

B. H. Farr delivered an interesting lecture on "The Iris" at the monthly meeting of the Pennsylvania Horticultural Society on the afternoon of the 18th inst.

At the next meeting of the Florists' Club, May 2, there will be a red spider explosion. Parker Thayer Barnes, Department of Zoology, State of Pennsylvania, will be in the trenches and fire the first bomb. This is just about the time when every grower wants to swap his latest opinions on how to handle this perennial pest.

### NEW YORK.

It is announced that Henshaw & Fenrich will dissolve partnership by mutual and amicable agreement on April 29th. Mr. Henshaw will from that date operate the Henshaw Floral Co., Inc., at 127 West 28th street, and Mr. Fenrich will do business under his own name at 51 West 28th street.

FLOWERS BY TELEGRAPH

# SAN FRANCISCO

CALIFORNIA

**Pelicano, Rossi & Co.**  
129 KEARNY ST.

# F. R. PIERSON CO.

FLORISTS AND  
PLANTSMEN

TARRYTOWN-ON-HUDSON, - N. Y.

### PITTSBURGH.

The John Bader Co. recently sold \$2,500.00 worth of palms to the new William Penn Hotel.

The J. R. Weldin Co. has a special window display of "Farm, Garden and Outdoor Books" this week.

Albert J. Niggel has left the employ of Walter A. Faulk and taken a position with George E. Hallam.

Albert M. Gocht, formerly of So. Orange, N. J., has been added to the landscape department of the A. W. Smith Co.

William J. Ferguson has opened a landscape office and flower shop at 6218 Penn avenue, east end. He was formerly with G. P. Weaklin & Co. and Randolph & McClements.

John McDonald, who for several years has been the first assistant on the estate of Daniel M. Clemson, has gone to Willoughby, Ohio, to take charge of the grounds and greenhouse for Howard M. Hanna, Jr.

Myron J. Walter, formerly of the N. Y. State Training School, has just assumed the work of Director of Garden Work under the Pittsburgh Board of Education at a salary of \$2,500.00. This position has been vacant two years.

George Schnurbush of Brooklyn, N. Y., left on Tuesday morning after a several days' visit with J. W. Ludwig. He stopped en route to Indiana, where he visits his daughter. Mr. Schnurbush was formerly employed by the Ludwig Floral Co.

### CHICAGO.

F. L. Eagleston, who opened the Flower Craft, at 1514 Hyde Park boulevard, recently had the misfortune to fall and break his shoulder blade.

The attitude of the public does not change toward the fashionable flower sale which has taken away a big part of the most expensive Easter trade for several years. No other object would gain such a hold on the people as the giving to the destitute crippled children, but it is to be regretted that it cuts so heavily into the trade of the retail florists. Many thousands of dollars annually are diverted from the trade and generally these same florists are asked to contribute flowers. Many are purchased, however, at regular prices.

### CINCINNATI.

Tom Windram, of Cold Springs, Ky., has converted an Overland roadster into a light truck for the delivery of cut flowers to the local market.

Wholesale dealers have arranged for an exceptionally good large lot of stock for Easter and many large shipping orders have been booked in advance.

Worcester, Mass.—Harry Randall spoke on the "Florists' Telegraph Delivery" before the Worcester Publicity Association on Wednesday, April 12.

### WASHINGTON, D. C.

Some of the florists entered the display window contest held by the Washington Chamber of Commerce, Monday, Tuesday and Wednesday.

While in Washington last week, H. Bayersdorfer, of Philadelphia, Pa., took up with the State Department the matter of the delay of shipments from Rotterdam consigned to his firm.

The large plate glass window at the side of the store of F. H. Kramer was blown in by the heavy gale on Friday. Much damage was done to outdoor stock and a considerable quantity of glass in and around Washington was damaged.

An advertisement of a local department store announcing the arrival of an importation of Holland rose bushes has caused considerable comment because of the statement that "As in the past, these rose bushes have been inspected by experts from the Agricultural Department, and it means much to purchasers to know that the bush they buy has thus been inspected." It is felt that the wording of this advertisement gives the impression that the bush is guaranteed by the Government.

### PERSONAL.

Michael Nilan has been engaged as gardener for Dr. H. S. Wilton, Althea Farm, Norwalk, Ct.

Miss Rose Batchelor has taken a position in the florist shop of C. S. Hopkins, Brattleboro, Vt.

Frederic Holton, son of L. C. Holton, florist, Bennington, Vt., and Miss Hazel E. Russell, were married in Old Bennington on Wednesday evening, April 12.

Detroit, Mich.—M. Bloy and Joseph Streit will dissolve partnership June 1, Mr. Bloy to continue the business alone.

Meriden, Conn.—C. W. Blatchley has a large vacant store in Hall & Lewis block as an Easter branch to accommodate the plant trade.

## HIGH GRADE PLANTS

For Retail Stores a Specialty

ASK FOR LIST

THOMAS ROLAND, Nahant, Mass.

## NEW CROP FERNS

Fancy, \$1.35 per 1000

Dagger, 1.15 " "

Special price on regular orders for quantity shipments.

CALDWELL THE WOODSMAN CO.

Evergreen, Ala.

# SOLD OUT?

**OF COURSE**, if you stocked up before Easter with **BAYERSDORFER QUALITY** Goods. But we are all ready for you again with After Easter Supplies.

Baskets in Wonderful Variety of Shape and Tint, Brazilian Willow Baskets, Porto Rican Mats, Silk Fibre Ribbon, Japanese Novelties in Decorative Material, Memorial Day Staples, etc., etc.

*Send for Silent Salesman's Supplement*

**THE FLORISTS' SUPPLY HOUSE OF AMERICA**

**H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.**

## Obituary

William E. Doyle.

William E. Doyle, one of the pioneer florists of Boston, passed away after one day's illness at his home in Brookline, Mass., on Sunday, April 16. Mr. Doyle was born in Roxbury, Mass.,



WILLIAM E. DOYLE.

where his father was gardener on the Lowell estate, in 1843. At the age of 16 years he went to work for John Galvin, father of the present Thomas F. Galvin, at his store on Tremont street, Boston, near the corner of Beacon. In the year 1868 he associated himself with Thomas W. Dee and the firm of Dee & Doyle started business at 73 Tremont street, where they soon took a leading position among the flower establishments then existing in this country, not only as retail florists but as shippers of Bonsilene roses, smilax, etc., to New York, Philadelphia and elsewhere. In 1883 the firm was

dissolved, Mr. Dee locating in another place and Mr. Doyle retaining the old establishment. Five years later he purchased the Hovey estate with greenhouses and nurseries at Cambridge, as an adjunct to his business. Later he removed his store to 306 Boylston street and added a branch establishment at 6 Beacon street. The Cambridge property was finally disposed of for residential use and the location of a city hospital and about one year ago Mr. Doyle finally retired from business.

Mr. Doyle was a master of the art of floral arrangement. He could do more with a specified quantity of material and in less time than any man we have ever known in the flower

trade. His taste was exquisite and he easily took first place among the old-time florists, who did not have the stock or the accessories which florists of the present day have at their disposal. For many years he was the Class Day decorator at Harvard College. He leaves two sons and one daughter.

Charles H. Bell.

Charles H. Bell died at his home in Marlboro, Mass., on Thursday, April 18, aged 75 years lacking one day. He was well-known in the florist trade, having formerly been in the employ of Phelps, the Florist, in his Pleasant street place.



INTERIOR VIEW OF THE NEW "ROSE SHOP" AT LANCASTER, PA.  
Chas. F. Edger and Robert Autes, Jr., Proprietors.

**A Florist's  
Necessity**

# HART'S HANDY HANDLE

Fits securely on any standard pot and by the use of a little chiffon or ribbon gives you a Basket effect at a very small additional expense, increasing the price of your plants 100 per cent.

1	12 inches high, \$2.50 per doz.	4	24 inches high, \$5.00 per doz.
2	15 " " 3.50 " "	5	30 " " 6.50 " "
3	18 " " 4.00 " "	6	36 " " 9.00 " "

At Your Dealer's or Direct.

**GEO. B. HART, Manufacturer, 24 to 30 Stone Street, Rochester, N. Y.**

Our Prices Will Interest  
**YOU!**

When in need of  
**BEAUTIES**

Send your orders to  
**THE LEO NIESSEN CO.**

Wholesale Florists  
1201-05 Race Street, PHILADELPHIA, PA.

**EDWARD REID**  
WHOLESALE FLORIST

1619 - 21 Ranstead St., Philadelphia, Pa.  
CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES  
and all Seasonable Varieties of Cut Flowers

**REED & KELLER**  
122 West 25th St., New York  
**Florists' Supplies**

We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Decorative Glassware, Growers and  
Florists' Requisites

**Wired Toothpicks**

Manufactured by  
**W. J. COWEE, Berlin, N. Y.**  
10,000...\$1.85. 50,000...\$8.00. Sample free.  
For sale by dealers.

**E. G. HILL CO.**  
Wholesale Florists  
RICHMOND, IND.

Please mention Horticulture when writing.

**MICHIGAN CUT FLOWER  
EXCHANGE, Inc.**  
WHOLESALE COMMISSION FLORISTS  
Consignments Solicited

Hardy Fancy Fern Our Specialty  
264 RANDOLPH ST., DETROIT, MICH.

Telephone 3860 Madison Square

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WHOLESALE

**Plantsmen and Florists**  
37 and 39 West 28th St., NEW YORK

**CUT FLOWER BOXES**  
**EDWARDS FOLDING BOX CO**  
MANUFACTURERS  
PHILADELPHIA, PA.

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mention HORTICULTURE.

**TRY**

Horticulture's Advertisers  
**FIRST**

Before Looking Elsewhere

Tell Them You Did So And  
They'll Reciprocate

**POEHLMANN BROS. CO.**

Supply of Best Cut Flowers all the Year Around  
**72-74 EAST RANDOLPH ST., - - - CHICAGO.**  
If interested, send us your name and address for our weekly price list

**WELCH BROS. CO.** Wholesale Cut  
Flower Market

Daily consignments from leading growers Full line of Florists' Supplies Write for quotations before ordering elsewhere  
**226 DEVONSHIRE ST., BOSTON, MASS.**  
Telephone, Main 6267-6268

**WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY**

	BOSTON April 20		April 17 ST. LOUIS		PHILA. April 17	
<b>Roses</b>						
Am. Beauty, Special	30.00	to 40.00	25.00	to 40.00	40.00	to 50.00
" " Fancy and Extra	20.00	to 25.00	20.00	to 30.00	15.00	to 30.00
" " No. 1	4.00	to 8.00	6.00	to 10.00	5.00	to 12.00
Russell, Hadley	4.00	to 12.00	8.00	to 10.00	6.00	to 20.00
Killarney, Richmond, Hillingdon, Ward, Extra	4.00	to 6.00	6.00	to 8.00	8.00	to 10.00
Ordinary	2.00	to 4.00	2.00	to 4.00	4.00	to 6.00
Arenburg, Radiance, Taft, Key, Extra	4.00	to 6.00	4.00	to 8.00	8.00	to 10.00
Ordinary	2.00	to 4.00	2.00	to 4.00	4.00	to 6.00
Ophelia, Mock, Sunburst, Extra	4.00	to 8.00	8.00	to 10.00	8.00	to 10.00
Ordinary	2.00	to 4.00	2.00	to 4.00	4.00	to 6.00
Carnations, Fancy	2.00	to 4.00	2.00	to 4.00	4.00	to 6.00
Ordinary	2.00	to 3.00	2.00	to 3.00	3.00	to 4.00
Cattleyas	1.50	to 2.00	.75	to 1.00	2.00	to 3.00
Dendrobium formosum	35.00	to 50.00	50.00	to 60.00	40.00	to 60.00
Lilies, Longiflorum	6.00	to 8.00	10.00	to 12.50	8.00	to 12.00
Rubrum	2.00	to 4.00	4.00	to 6.00	4.00	to 6.00
Callas	8.00	to 10.00	10.00	to 12.50	8.00	to 12.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	2.00	to 5.00
Daisies	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Violets	.40	to .50	.20	to .30	.20	to .30
Mignonette	2.00	to 6.00	3.00	to 5.00	2.00	to 5.00
Snapdragon	4.00	to 6.00	2.00	to 3.00	3.00	to 12.50
Daffodils	1.50	to 2.00	2.00	to 3.00	1.00	to 3.00
Gladioli	8.00	to 12.00	10.00	to 12.50	8.00	to 12.00
Tulips	2.00	to 3.00	3.00	to 4.00	2.00	to 4.00
Hyacinths	2.00	to 3.00	3.00	to 4.00	2.00	to 4.00
Freesia	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Calendulas	1.00	to 2.00	2.00	to 3.00	2.00	to 4.00
Liac perianth	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Sweet Peas	2.00	to 3.00	3.00	to 4.00	2.00	to 3.00
Gardenias	20.00	to 35.00	20.00	to 35.00	20.00	to 35.00
Adiantum	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Smilax	12.00	to 16.00	10.00	to 12.50	25.00	to 30.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	25.00	to 35.00	20.00	to 30.00	25.00	to 30.00

**WILLIAM F. KASTING Co.**  
Wholesale Florists

383-387 ELLICOTT ST. - - - BUFFALO, N. Y.

**J. A. BUDLONG**

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and  
CARNATIONS  
A Specialty

WHOLESALE  
GROWER of

**CUT FLOWERS**

## Flower Market Reports

**BOSTON** With nearly ideal conditions prevailing it is not difficult to forecast a record volume of business for the 1916 Easter. The most noticeable feature of this week's market is the steady heavy demand and the equally steady supply which so far has prevented serious shortages and yet has not glutted the market. With the single exception of carnations every variety is in abundance. This scarcity of carnations has had a beneficial effect on the sale of roses, peas and bulb stocks, thus balancing the market more evenly. Roses are steady, with a wide range of prices. Wholesalers report more roses handled this year than ever before and better prices are being obtained, they claim. Snapdragon is being sold in large quantities and a few salesmen claim record prices. The first shipment of gladioli arrived on Wednesday morning and were immediately sold. Lilies are plentiful as are callas and candidum lilies. A few Spanish irises are to be seen but are not being heavily called for. Primroses are going wonderfully well and are welcomed by all. A few dealers report a slight shortage on red roses. This is not general, however, as the majority have a well balanced stock on hand. Violets, double only, are excellent in quality, but very scarce, owing to the lateness of the holiday this year. Sweet peas are being bought and sold in large quantities at very good prices and taken altogether the condition of this week's market may be stated as excellent.

The opening of the last **CHICAGO** week before Easter found the Chicago market with a large supply of roses. All growers are cutting heavily and the spring weather together with the lateness of Easter make a combination which throws a large quantity of roses into the supply of stock for the florists' big holiday. The situation is different with carnations. At this writing, Tuesday, April 18th, the supply of good carnations is not large. If this means the holding back of stock for later in the week to catch advanced prices, the bright weather is apt to defeat the game as has been the case so often in the past. Of lilies, there is no end, but of long stemmed lilies with substance there are none to spare. It is a season of short stemmed lilies which is all right for plant trade but the cut flower dealers are disappointed in the lack of well grown, long stemmed lilies. More American Beauties are coming now than at any previous time since the holidays. Bulbous stock is still here, but in comparatively limited quantity. Some fine iris in yellow and lavender appeared this week. It is long stemmed and of rich color and in every way splendid stock. A great many excellent sweet peas are on the counters. Snapdragons are selling well. Callas are here in greater number than the market needs. Such are the conditions at this time but wholesalers report long lists of orders for out-of-town customers, and by the time these are filled the condition of the market may have undergone a complete change. The last minute orders and the repeat orders of the week end



## BEAUTIES

**BURTON STOCK AND BURTON**  
QUALITY FOR AFTER EASTER  
WEDDINGS  
IN ANY QUANTITY

	Per 100
Special	\$85.00
Fancy	30.00
Extra	25.00
First	15.00
Second	10.00

VALLEY—Special, \$6.00 per 100; Extra, \$5.00 per 100.

## S. S. Pennock-Meehan Co.

The Wholesale Florists of Philadelphia

**PHILADELPHIA** 1608-1620 Ludlow St.  
**NEW YORK** 117 W. 28th St.  
**BALTIMORE** Franklin & St. Paul Sts.  
**WASHINGTON** 1216 H St., N. W.

## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI April 17		CHICAGO April 10		BUFFALO April 17		PITTSBURG April 10	
<b>Roses</b>								
Am. Beauty, Special	35.00	to 40.00	30.00	to 40.00	35.00	to 40.00	25.00	to 35.00
" " Fancy and Extra	20.00	to 35.00	20.00	to 35.00	25.00	to 35.00	28.00	to 35.00
" " No. 1	10.00	to 20.00	5.00	to 15.00	10.00	to 12.00	10.00	to 15.00
Russell, Hadley	8.00	to 15.00	6.00	to 12.00	8.00	to 10.00	4.00	to 10.00
Killarney, Richm'd, Hill'don, Ward	8.00	to 12.00	6.00	to 8.00	8.00	to 10.00	6.00	to 10.00
Arenburg, Radiance, Taft, Key, Ex.	4.00	to 6.00	2.00	to 5.00	4.00	to 6.00	6.00	to 10.00
Ophelia, Mock, Sunburst, Extra	4.00	to 12.00	6.00	to 8.00	8.00	to 10.00	6.00	to 10.00
" " Ordinary	4.00	to 6.00	3.00	to 5.00	5.00	to 6.00	6.00	to 10.00
Carnations, Fancy	3.00	to 4.00	2.00	to 3.00	2.50	to 3.00	3.00	to 4.00
" " Ordinary	3.00	to 4.00	2.00	to 3.00	2.50	to 3.00	3.00	to 4.00
Cattleyas	40.00	to 50.00	40.00	to 60.00	40.00	to 50.00	40.00	to 50.00
Dendrobium formosum	10.00	to 12.00	5.00	to 8.00	10.00	to 12.00	5.00	to 10.00
Lilies, Longiflorum	10.00	to 12.00	5.00	to 8.00	10.00	to 12.00	5.00	to 10.00
" " Rubrum	10.00	to 12.00	5.00	to 8.00	10.00	to 12.00	5.00	to 10.00
Callas	8.00	to 12.00	4.00	to 6.00	8.00	to 12.00	6.00	to 10.00
Lily of the Valley	4.00	to 5.00	3.00	to 4.00	4.00	to 5.00	3.00	to 4.00
Daisies	.50	to .75	1.00	to 2.00	1.00	to 1.50	1.50	to 3.00
Violets	.35	to .75	.25	to .50	.40	to .50	.10	to .50
Mignonette	.....	.....	.....	.....	.....	.....	.....	.....
Snapdragon	6.00	to 15.00	3.00	to 5.00	3.00	to 5.00	4.00	to 6.00
Daffodils	1.00	to 3.00	2.00	to 4.00	2.00	to 3.00	2.00	to 4.00
Gladioli	.....	.....	5.00	to 6.00	.....	.....	.....	.....
Tulips	1.00	to 4.00	.....	.....	.....	.....	.....	.....
Hyacinths	5.00	to 5.00	.....	.....	3.00	to 2.00	3.00	to 4.00
Freesia	1.00	to 2.00	2.00	to 3.00	2.00	to 3.00	.....	.....
Calendulas	2.00	to 3.00	2.00	to 3.00	3.00	to 3.00	2.00	to 3.00
Lilac (per bunch)	.....	.....	.....	.....	.....	.....	.....	.....
Sweet Peas	.50	to 1.00	.15	to .50	.....	.....	.50	to 1.00
Gardenias	.....	.....	20.00	to 25.00	.....	.....	.....	.....
Adiantum	.....	.....	.....	.....	1.00	to 1.25	1.00	to 1.25
Smilax	15.00	to 20.00	12.00	to 15.00	.....	.....	15.00	to 20.00
Asparagus Plu. & Spreng. (100 Bhs.)	25.00	to 30.00	15.00	to 20.00	40.00	to 60.00	15.00	to 20.00

also make predictions very difficult in Chicago where shipping trade North, South, East and West covers great distances. There is very little advance in price to local dealers at this time.

An abundance of cut flowers are coming in for Easter. Lilies, roses, carnations and sweet peas have been and are in heavy supply. Roses are very fine in all varieties. Carnations are coming in stronger than was expected. Jonquils and daffodils, indoor and outdoor, are in good supply. Tulips and Dutch hyacinths run light in quantity. Plant business for Easter is exceptionally large.

**NEW YORK** Ceaseless bustling, flavored with a certain air of confident superiority on the part of the plant growers is the principal symptom of the approach of Easter now in sight. In the cut flower field there is really nothing of value to report at this stage of the game. The market is well filled with stock of all varieties in all grades and prices varying accordingly. Under conditions as they are now enhanced market prices in advance of Easter are not within

the possibilities, and yet it is equally true that no man can predict with any degree of accuracy what may happen between now and Saturday, midnight, or conduce to bring about "nut-cracker" conditions on any one specialty. For the present things are dull and as heretofore in recent years the wholesalers and growers are obliged to wait and exercise due patience while the plant men are having their innings.

**PHILADELPHIA** Sweet peas and carnations have gone rather better but, on the whole, prices realized are below the average. Roses are very good and quite plentiful. There was a fair clean up last Saturday, but no fancy prices. Cattleyas are scarce and bringing good prices. They are mostly Schröderæ, Trianae is nearly done and Mossiæ just commencing. There are too many Easter lilies. Balance of market about as last reported. Prospects for Easter week very good. Everybody is praying for fine weather from Thursday morning to Saturday night.

(Continued on page 579)

**H. E. FROMENT**

Wholesale Commission Florist  
Choice Cut Flowers

New Address, 142 West 18th St., NEW YORK  
Telephones: 2300, 2201, Madison Square.

**MOORE, HENTZ & NASH**

Wholesale Commission Florists

55 and 57 West 26th Street  
Telephone No. 754  
Madison Square  
**New York**

**WM. P. FORD**

Wholesale Florist

107 W. 28th Street, NEW YORK  
Telephone 8135, Farragut.  
Call and inspect the Best Establishment  
in the Wholesale Flower District.

**GEO. C. SIEBRECHT**

WHOLESALE FLORIST

109 WEST 28th ST  
CONSIGNMENTS SOLICITED  
PHONE 608 / 609 / MADISON SQ., NEW YORK

**JOHN YOUNG & CO.**

WHOLESALE FLORISTS

53 WEST 28th STREET NEW YORK CITY  
Consignments Solicited  
Phone 7862 Madison Square

**THE KERVAN COMPANY**

Ferns, Mosses, Wild Smilax, Galax,  
Leucothoe, Palmetto, Cyras, both fresh  
cut and prepared.  
Laurel, Hemlock, all Decorative Evergreens.  
Tel. 1303 / 5093 / West St. 119 W. 28 St., New York

**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best  
WHOLESALE COMMISSION HOUSE  
A First Class Market for all CUT FLOWERS  
28 Willoughby St., Brooklyn, N. Y

**M. C. FORD**

121 West 28th St., NEW YORK  
FINE ROSES, FANCY CARNATIONS  
A Full Line of ALL CUT FLOWERS.  
Telephone 3870 Farragut.

**GEORGE B. HART**

WHOLESALE FLORIST

24 Stone St., Rochester, N. Y.

Regular Shipments Wanted of

Pansies and Violets

I have a good market for them.

**B. S. SLINN, JR.**

55 and 57 West 26th St. NEW YORK

**P. J. SMITH**

WHOLESALE COMMISSION FLORIST SELLING AGENT FOR  
LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes

TELEPHONE 2281 / 3089 / FARRAGUT 131 West 28th St., NEW YORK CITY

**ALBANY CUT FLOWER EXCHANGE**

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.  
WHOLESALE ONLY

SAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US

Prices Right. Consignments Solicited. Telephone Connection

HEADQUARTERS FOR NOVELTIES

**ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS  
ON HAND  
GARDENIAS, DAISIES, ROSES, CARNATIONS

JAMES McMANUS, TELEPHONE 105 W. 28th St., New York  
FARRAGUT 789

Centrally Located, The Hub of the Flower Market Section

**CHARLES MILLANG**

Wholesale Florist

55 and 57 W. 26th Street, - - NEW YORK  
Telephone 7062 Madison

**BADGLEY & BISHOP, Inc.**

WHOLESALE FLORISTS, 34 West 28th St., New York

Telephones 1664 / 1665 / Madison Square CONSIGNMENTS SOLICITED

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Apr. 15 1916		First Half of Week beginning Apr. 17 1916	
American Beauty, Special	25.00	to 35.00	25.00	to 35.00
" " Fancy and Extra	10.00	to 20.00	10.00	to 20.00
" " No. 1	1.00	to 5.00	1.00	to 5.00
Russell, Hadley	6.00	to 35.00	6.00	to 35.00
Killarney, Richmond, Hillingdon, Ward, Extra	4.00	to 6.00	4.00	to 6.00
Ordinary	1.00	to 4.00	1.00	to 4.00
Arenburg, Radiance, Taft, Key, Extra	6.00	to 8.00	6.00	to 8.00
Ordinary	1.00	to 4.00	1.00	to 4.00
Ophelia, Mock, Sunburst, Extra	6.00	to 8.00	6.00	to 8.00
Ordinary	2.00	to 6.00	2.00	to 6.00
Carnations, Fancy	1.50	to 2.00	1.50	to 2.00
Ordinary	1.00	to 1.50	1.00	to 1.50

**WALTER F. SHERIDAN**

Wholesale Commission Dealer in

**CHOICE CUT FLOWERS**

133 West 28th Street, New York  
Telephone—3532-3533 Madison Square

Frank H. Traendly

Charles Schenck

**TRAENDLY & SCHENCK**

Wholesale Florists

436 6th Avenue, Between 26th and 27th Sts., New York

Telephones: 797-798-799 Farragut

Consignments Solicited

**WALTER R. SIEBRECHT CO.**

Incorporated

Wholesale Commission Florists

Orchids, Gardenias and Many Unusual  
Flowers of Quality.

114 West 28th Street  
NEW YORK

**HENRY M. ROBINSON CO. OF NEW YORK**

WHOLESALE FLORISTS

55-57 West 26th Street

Telephones, 13—8510 Madison Square

Consignments Solicited

13 MAURICE L. GLASS, Treasurer

(Continued from page 577)

49 WEST 28th ST. NEW YORK.

MISCELLANEOUS	Last Half of Week ending Apr. 15 1916		First Half of Week beginning Apr. 17 1916	
Cattleyas	15.00	to 30.00	15.00	to 50.00
Dendrobium formosum	20.00	to 35.00	20.00	to 35.00
Lilacs, Longiflorum	4.00	to 6.00	4.00	to 6.00
" Rubrum	2.00	to 6.00	2.00	to 6.00
Callas	6.00	to 10.00	6.00	to 10.00
Lily of the Valley	1.00	to 4.00	1.00	to 4.00
Daisies	.50	to 2.00	.50	to 2.00
Violets	.15	to .35	.15	to .35
Mignonette	2.00	to 6.00	2.00	to 6.00
Snapdragon	3.00	to 8.00	3.00	to 8.00
Daffodils	1.00	to 2.00	1.00	to 2.00
Gladioli	6.00	to 8.00	6.00	to 8.00
Tulips	1.00	to 3.00	1.00	to 3.00
Hyacinths	1.00	to 2.00	1.00	to 2.00
Freesia	.50	to 2.00	.50	to 2.00
Calendulas	1.00	to 9.00	1.00	to 2.00
Lilac (per bunch)	.50	to 1.00	.50	to 1.00
Sweet Peas	.25	to 1.00	.25	to 1.00
Gardenias	8.00	to 25.00	8.00	to 25.00
Adiantum	.50	to 1.00	.50	to 1.00
Smilax	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, & Spreng (100 bunches)	15.00	to 25.00	15.00	to 25.00

When writing to advertisers kindly mention **HORTICULTURE**.

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Persons advertising in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

For page see List of Advertisers.

## APHINE

For page see List of Advertisers.

## APHIS PINK

For page see List of Advertisers.

## ASPARAGUS

Asparagus Plants, \$5.00 per 1000. Roots, May 1st. COLLINGDALE GREENHOUSES, Collingdale, Pa.

## AQUATIC PLANTS

Henry A. Dreer, Philadelphia, Pa.

## AUCTION SALES

The MacNiff Horticultural Co., New York City.

For page see List of Advertisers.

## AZALEAS

P. Ouwerkerk, Hoboken, N. J.

For page see List of Advertisers.

## BASKETS

H. B. Versdorfer & Co., Philadelphia, Pa.

For page see List of Advertisers.

## BAY TREES

BAY TREES. Write for wholesale price list.

JULIUS ROTHERS CO., Rutherford, N. J.

## BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.

For page see List of Advertisers.

R. Vincent, Jr. & Sons Co.,

White Marsh, Md.

For page see List of Advertisers.

## BEGONIAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

For page see List of Advertisers.

Thomas J. Grey Co., 29 So. Market St., Boston, Mass.

Begonia, Marlemont Bedder.

For page see List of Advertisers.

## BEGONIAS

Delivery from May 15th.

Lorraine, 2 1/2 in. pots, \$12.00 per 100; Cincinnati, 2 1/2 in. pots, \$15.00 per 100. Mrs. J. A. Peterson (New), 2 1/2 in. pots, \$25.00 per 100. \$20.00 per 100.

JULIUS ROTHERS CO., Rutherford, N. J.

## BOILERS

Kroeschell Bros. Co., Chicago.

For page see List of Advertisers.

King Construction Co., North Tonawanda, N. Y.

"King Ideal" Boiler.

For page see List of Advertisers.

Lord & Burnham Co., New York City.

Headings & Co., New York City.

For page see List of Advertisers.

## BONES-CUT FLOWER FOLDING

For page see List of Advertisers.

For page see List of Advertisers.

## BOX TREES

BOX TREES. See also Pyramids and Plant. For page see List of Advertisers.

## BULBS AND TUBERS

Hogewoning & Sons, Rutherford, N. J.

and 12 Broadway, New York City.

Tuberous Rooted Begonias.

For page see List of Advertisers.

Arthur T. Boddington Co., Inc., New York City.

For page see List of Advertisers.

J. M. Thorburn & Co., New York City.

Tuberous.

For page see List of Advertisers.

Ralph M. Ward & Co., New York City.

Lily Bulbs.

For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.

Gladioli.

For page see List of Advertisers.

August Rolker & Sons, New York City.

Forcing Bulbs and Plants.

For page see List of Advertisers.

R. & J. Farquhar & Co., Boston, Mass.

For page see List of Advertisers.

Chas. Schwake & Co., New York City.

Horticultural Importers and Exporters.

For page see List of Advertisers.

A. Henderson & Co., Chicago, Ill.

For page see List of Advertisers.

Burnett Bros., 98 Chambers St., New York.

For page see List of Advertisers.

Henry F. Mitchell Co., Philadelphia, Pa.

For page see List of Advertisers.

Joseph Breck & Sons Corp., Boston, Mass.

For page see List of Advertisers.

W. E. Marshall & Co., New York City.

For page see List of Advertisers.

Fottler, Fiske, Rawson Co., Boston, Mass.

C. KIRK & SONS, HILLEGOM, Holland.

Bulbs of all descriptions. Write for prices.

NEW YORK Branch, 8-10 Bridge St.

## CALADIUMS

Arthur T. Boddington Co., Inc., New York City.

For page see List of Advertisers.

## CANNAS

Arthur T. Boddington Co., Inc., New York City.

King Humbert Cannas.

For page see List of Advertisers.

John Lewis Childs, Flowerfield, L. I., N. Y.

Canna Roots.

For page see List of Advertisers.

Newest list of the newest Cannas just out. Complete assortment of the finest sorts, at remarkable rates.

Send for list today.

THE CONRAD & JONES CO.

West Grove, Pa.

## CARNATIONS

Cottage Gardens Co., Inc., Queens, N. Y.

New Carnation Cottage Maid.

For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.

For page see List of Advertisers.

## CARNATIONS—Continued

For page see List of Advertisers.

Gottman & Raymond, Inc., New York City.

See page 559 for List of Advertisers.

## CARNATION STAPLES

Split carnations, suitable for cutting and cheaply made. Philadelphia Carnation Staple, 1000 for \$1.00, 500 for \$1.00 post paid. L. L. PILLSBURY, Galesburg, Ill.

Supreme Carnation Staples, for repairing split carnations, 1000 for \$1.00, 500 for \$1.00 post paid. L. L. PILLSBURY, Galesburg, Ill.

## CHRYSANTHEMUMS

Charles H. Totty, Madison, N. J.

Alma Day

Elmer D. Smith, Adrian, Mich.

New Chrysanthemum Catalogue for 1916.

For page see List of Advertisers.

Gottman & Raymond, Inc., New York City.

Early Lavender Pink Chrysanthemum.

Alex Gottman, also Emma, a Garza.

Anemone, Double Pompan, pale pink.

## CYCLAMEN

CYCLAMEN. Best strain. Separate colors or mixed, 3 in. pots, \$8.00 per 100, for May delivery.

JULIUS ROTHERS CO., Rutherford, N. J.

## DAHLIAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

For page see List of Advertisers.

Send for Wholesale List of Whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens.

J. L. MOORE, Prop., Northboro, Mass.

## NEW PAKONY DAHLIA

John W. Wainmaker, Newst, Handsome. Best. New color, new form and new habit of growth. The stock of best cut flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

IF YOU INTEND growing Dahlias for cut flowers then you will make no mistake if you will try my assortment, especially selected for cut flower production. Three whites, 3 pinks, 1 red, 1 yellow, 1 lavender, 1 fancy; all field roots, labeled true to name; per 100, 10 of each kind, \$3.00; per 1000, 100 of each kind, \$25.00. 50 at 100 and 500 at 1000 rates. Cash with order. Guarantee entire satisfaction. If interested in Dahlias, then please send for my wholesale trade list of Dahlias.

MANNITTO HILL NURSERY, W. A. FINGER, Prop., Hicksville, N. Y.

## DECORATIVE PLANTS

Robert Craig Co., Philadelphia, Pa.

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Woodrow & Marketos, New York City.

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Bobbink & Atkins, Rutherford, N. J.

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Thomas Roland, Nahant, Mass.

High Grade Plants for Retail Florists.

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A. M. Davenport, Watertown, Mass.

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Henry A. Dreer, Philadelphia, Pa.

Charles Millang, New York City.

## EVERGREENS

Charles Millang, New York City.

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## FERNS

H. H. Barrows & Son, Whitman, Mass.  
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A. M. Davenport, Watertown, Mass.  
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F. R. Peterson Co., Tarrytown, N. Y.  
Visit the Home of the Nephrolepis Family.

## FERTILIZERS

R. & J. Farquhar & Co., Boston, Mass.  
Pulverized Sheep Manure.  
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Highgrade Manure Compost Co.,  
New York City and Red Bank, N. J.  
Magic Humus  
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Pulverized Manure Co., Chicago, Ill.  
Wizard Brand Cattle Manure.

Farmers' and Florists' Fertilizer Co.,  
Chicago, Ill.  
Aetna Brand Tankage Fertilizer.  
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## FLORISTS' SUPPLIES

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H. Bayersdorfer & Co., Philadelphia, Pa.  
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Welch Bros. Co., Boston, Mass.  
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Henry M. Robinson & Co., Boston, Mass.  
Waxed Flowers and Metallic Magnolia  
Wreaths.

## FLOWER POTS

W. H. Ernest, Washington, D. C.  
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A. H. Hews & Co., Inc., Cambridge, Mass.  
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## FUNGICIDES

Aphine Mfg. Co., Madison, N. J.  
Fungine.  
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## GARDEN TOOLS

B. G. Pratt Co., New York City.

## GERANIUMS

R. Vincent, Jr. & Sons Co.  
White Marsh, Md.  
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Madame Sallerol—2 in., \$2.00 per 100;  
\$18.00 per 1000. PASCOAG GREEN-  
HOUSES, Wm. Doel, Prop., Pascoag, R. I.

## GLADIOLI

John Lewis Childs, Flowerfield, L. I., N. Y.  
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A. Henderson & Co., Chicago, Ill.  
Forcing Gladioli.  
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## GLASS

Sharp, Partridge & Co., Chicago.  
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Parshelsky Bros., Inc., Brooklyn, N. Y.  
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Greenhouse glass, lowest prices. JOHN-  
STON GLASS CO., Hartford City, Ind.

## GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.  
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GREENHOUSE BUILDING MATERIAL  
King Construction Co., N. Tonawanda, N. Y.  
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Parshelsky Bros., Inc., Brooklyn, N. Y.  
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Lord & Burnham Co., New York City.

A. T. Stearns Lumber Co., Neponset,  
Boston.  
Pecky Cypress.

## GREENHOUSE CONSTRUCTION

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A. T. Stearns Lumber Co., Boston, Mass.

Lord & Burnham Co., New York City.

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## GREENHOUSE SHADING

E. A. Lippman, Morristown, N. J.

## GUTTERS

King Construction Co., N. Tonawanda, N. Y.  
King Channel Gutter.  
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## HAIL INSURANCE

Florists' Hail Asso. of America.  
J. G. Esler, Saddle River, N. J.  
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HAMILTON WATERTITE RAINY  
DAY OUTFIT

G. L. Hamilton & Co., Boston, Mass.  
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## HARDY FERNS AND GREEN GOODS

Michigan Cut Flower Exchange, Detroit,  
Mich.  
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The Kervan Co., New York.  
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P. Ouwerkerk, Hoboken, N. J.  
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Henry A. Dreer, Philadelphia, Pa.

The Mount Desert Nurseries, Bar Harbor,  
Maine.  
Rock and Wall Garden Plants.

## HART'S HANDY HANDLE

Geo. B. Hart, Rochester, N. Y.  
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## HEATING APPARATUS

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Lord & Burnham Co., New York City.

## HOT BED SASH.

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S. Jacobs & Sons, Brooklyn, N. Y.  
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A. T. Stearns Lumber Co., Neponset, Mass.

Lord & Burnham Co., New York City.

## HOSE

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Metropolitan Material Co., Brooklyn, N. Y.  
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## HOTEL ACCOMMODATIONS

Hotel Cumberland, New York City.

## INSECTICIDES

Aphine Manufacturing Co., Madison, N. J.  
Aphine.  
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Nicotine Mfg. Co., St. Louis, Mo.  
Aphis Punk and Nikoteen.  
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Eastern Chemical Co., Boston, Mass.  
Imp. Soap Spray.  
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## IRIS

*Iris pallida dalmatica*, the finest of all  
the German *Iris*; beautiful large lavender,  
suitable for cut flowers as well as for the  
garden. Strong divisions, \$10.00 per 100;  
large quantities at special prices. Now is  
the time for planting.

J. A. PETERSON & SONS,  
Westwood, Cincinnati, Ohio.

## JACKSON PECANS

L. A. Tonner, Agt., Jackson Pecan Groves  
Co., Chicago, Ill.

## JAPANESE PLANTS AND SHRUBS

Yokohama Nursery Co., New York City.

## LILY BULBS

Chas. Schwake & Co., New York City.  
Horticultural Importers and Exporters.  
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McHutchison & Co., New York.  
Lily Bulbs from Japan.  
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R. M. Ward & Co., New York City, N. Y.  
Japanese Lily Bulbs of Superior Quality.  
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Joseph Breck & Sons Corp., Boston, Mass.  
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## LILY OF THE VALLEY PIPS

Chas. Schwake & Co., Inc., New York City.  
Hohmann's Famous Lily of the Valley Pips.  
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Loechner & Co., New York City.  
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J. M. Thorburn & Co., New York City.  
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McHutchison & Co., New York City.  
Berlin Valley Pips.  
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## LIQUID PUTTY MACHINE

Metropolitan Material Co., Brooklyn, N. Y.  
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McHutchison & Co., New York City.  
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## MARGUERITES

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## NATIONAL NURSERYMAN

National Nurseryman Publishing Co., Inc.,  
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G. L. Hamilton Co., Boston, Mass.

## NIKOTIANA

Aphine Mfg. Co., Madison, N. J.  
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P. Ouwerkerk, Weehawken Heights, N. J.  
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W. & T. Smith Co., Geneva, N. Y.  
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The D. Hill Nursery Co., Dundee, Ill.  
Hill's Evergreens.  
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In writing to Advertisers kindly mention Horticulture

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Arthur J. Elmer & Co., New York City.  
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C. C. Tracy, Brooklyn and New York.  
Nursery stock and florist plants.  
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## NET GROWING

The Cloche Co., New York City.  
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## ONION SEEDS

St. Hill, Philadelphia, Pa.  
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## ONION SETS

Leonard Seed Co., Chicago, Ill.  
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Schluder Bros., Chillicothe, Ohio.  
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## ORCHID FLOWERS

Jas. McManus, New York, N. Y.  
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## ORCHID PLANTS

Julius Rocks Co., Rutherford, N. J.  
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Lager & Hurrell, Summit, N. J.  
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## PANSY PLANTS

225,000 large, stocky (Sept. transplanted), field-grown blooming pansy plants, Henry Mette's strain, all salable stock, satisfaction guaranteed, \$1.00 per 100; \$10.00 per 1000. Cash. Prompt shipping. BRILL CELERY GARDENS, Kalamazoo, Mich.

Pansies, the big giant flowering kind, \$3.00 per 1000, in bud and bloom, \$4.00 and \$15.00 per 1000. Cash. If I could only show the nice plants, hundreds of testimonials and repeat orders I would be flooded with new business. JAMES MOSS, Johnsville, Pa.

## PAPER POTS

The Cloche Co., New York City.  
Collapsible Paper Boxes.  
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## PHOENIX CANARIENSIS

In all sizes. Special price-list on demand. JULIUS ROEHRS CO., Rutherford, N. J.

## PEONIES

Peonies. The world's greatest collection. 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

## PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.

## PELARGONIUMS

Roman J. Irwin, New York City.  
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## PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.  
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King Construction Company,  
N. Tonawanda, N. Y.  
Shelf Brackets and Pipe Hangers.  
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Pfaff & Kendall, Newark, N. J.  
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## PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City.  
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August Rolker & Sons, New York City.  
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McHutchison & Co., New York City.  
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## PLANT TRELLISES AND STAKES

Bay State Nurseries, North Abington, Mass.  
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## PLANT TUBS

H. A. Jones, Philadelphia, Pa.  
(Illustrated)

## POLYANTHUS

William H. Cutler, New York, N. Y.  
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## RAILIA

McHutchison & Co., New York, N. Y.  
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## RIBBONS AND CHIFFONS

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P. Ouwkerkerk, Hoboken, N. J.  
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Henry A. Dreer, Philadelphia, Pa.

W. & T. Smith Co., Geneva, N. Y.  
American Grown Roses.  
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Bay State Nurseries, North Abington, Mass.  
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A. N. Pierson, Inc., Cromwell, Conn.  
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Guttman & Raynor, Inc., New York City.  
Rose Prima Donna (Mine, Paul Elder)

F. R. Pierson Co., Tarrytown, N. Y.  
Prize Winning Roses.

THE CONARD & JONES COMPANY.  
Rose Specialists.  
West Grove, Pa. Send for offers.

## SCALECIDE

B. G. Pratt Co., New York City.

## SEASONABLE PLANT STOCK

R. Vincent, Jr. & Sons Co., White Marsh, Md.  
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Frank Oechslein, Chicago, Ill.

## SEEDS

Carter's Tested Seeds.  
Seeds with a Pedigree.  
Boston, Mass., and London, England.  
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Peter Henderson & Co., New York City.  
Everything for the Garden, Lawn and Farm.

Joseph Breck & Sons, Boston, Mass.  
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J. Bolgiano & Son, Baltimore, Md.  
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A. T. Boddington Co., Inc., New York City.  
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Chas. Schwake & Co., New York City.  
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Michell's Seed House, Philadelphia, Pa.  
New Crop Asparagus Seed.  
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W. Atlee Burpee & Co., Philadelphia, Pa.  
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R. & J. Farquhar & Co., Boston, Mass.  
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J. M. Thorburn & Co., New York City.  
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W. E. Miller, New York City.  
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Jas. Vick & Sons, Rochester, N. Y.  
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A. C. Ziegler & Co., New York City.  
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Burton Bros., New York, N. Y.  
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Leonard Seed Co., Chicago, Ill.  
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Fotter, Frank, Boston, Mass.  
Seeds for the Florist.

## SEED AND PLANT FORCER

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SHEET MOSS (NATURAL AND DYED)  
Knud Nielsen, Evergreen, Ala.

## SPHAGNUM MOSS

New England Florist Supply Co.,  
Boston, Mass.  
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Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGER & HURRELL, Summit, N. J.

## SHELF BRACKETS

Metropolitan Material Co., Brooklyn, N. Y.  
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## SPRAYING MATERIALS

B. G. Pratt Co., New York City.

## STANDARD THERMOMETERS

Standard Thermo Co., Boston, Mass.  
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## SUN DIALS

The M. D. Jones Co., Boston, Mass.  
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## SWAINSONA, MRS. JOSEPH MANDA

Joseph Manda, West Orange, N. J.  
New Orchid Colored.

## SWEET PEA SEED

Ant. C. Zvolanek, Longue, Calif.  
Gold Medal of Honor Winter Orchid Sweet Peas.  
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## TRITOMAS

Now is the time to buy Tritoma Pfitzeri.  
THOMAS J. OBERLIN, Slating Spring, Pa.

## TUBEROSES

J. M. Thorburn & Co., New York City.  
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## VASES

H. Bayersdorfer & Co., Philadelphia, Pa.  
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## VEGETABLE PLANTS

R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.  
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500,000 Giant Argentine and Palmetto Asparagus Roots grown from selected seed. 500,000 Jersey Sweet Potato Plants, red and yellow. 50,000 Vineland Bush Sweet Potato Plants, no vines. 100 lbs. each Ruby King and Pimento Pepper Seed. 25,000 Gladiolus Bulbs. 10,000 Rhubarb Roots. All other Vegetable Plants in seasons. Write for what you want. No catalogue. I. & J. L. LEONARD, Iona, N. J.

**VEGETABLE PLANTS—Continued**

**Celery Plants:** Golden Self-Blanching (French strain); fine plants, ready now; \$2.00 per 1000. Cash. Special prices on large lots. **BRILL CELERY GARDENS,** Kalamazoo, Mich.

**VENTILATING APPARATUS**

The Advance Co., Richmond, Ind.  
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The John A. Evans Co., Richmond, Ind.  
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**VERMICIDES**

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**WEED KILLER**

Pino-Lyptol Chemical Co., New York City.  
**Pino-Lyptol Weed Killer.**  
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**WHEAT SHEAVES**

H. Bayersdorfer & Co., Philadelphia, Pa.  
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**WIREWOK**

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**WILLIAM E. HEILSCHER'S WIRE WORKS,** 264 Randolph St., Detroit, Mich.

**WHOLESALE FLORISTS**

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Albany Cut Flower Exchange, Albany, N. Y.  
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Michigan Cut Flower Exchange, 264-266 Randolph St.  
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**W. F. Sheridan, 133 W. 28th St.**  
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Moore, Hentz & Nash, 55 and 57 W. 26th St.  
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Charles Milling, 55 and 57 West 26th St.  
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W. P. Ford, 107 W. 28th St.  
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**WHOLESALE FLORISTS**

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Woodrow & Marketos, 37 and 39 W. 28th St.  
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Riedel & Meyer, Inc., 49 West 28th St.  
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George C. Siebrecht, 109 W. 28th St.  
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John Young & Co., 53 West 28th St.  
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M. C. Ford, 121 West 28th St.  
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Herman Weiss, 106 West 28th St.  
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J. J. Coan, 115 West 28th St.  
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Edward Reid, 1619-21 Ransdend St.  
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The S. S. Pennock-Meehan Co., 1608-20 Ludlow St.  
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**Richmond, Ind.**

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**Rochester, N. Y.**

George B. Hart, 21 Stone St.  
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**Washington**

The S. S. Pennock-Meehan Co., 1216 H St., N. W.  
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## THE NUT-GROWER

The unique monthly publication which furnishes reliable and interesting up-to-date information regarding the value of pecans and other edible nuts and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

## THE NUT-GROWER

No. 2 Francis St.

WAYCROSS, GA.

## New Offers In This Issue

**AMERICAN BEAUTY ROSES.**

S. S. Pennock-Meehan Co., Philadelphia, Pa.  
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**COLDWELL LAWN MOWERS.**

Coldwell Lawn Mower Co., Newburgh, N. Y.  
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**EUONYMUS RADICANS.**

Jas. Wheeler, Natick, Mass.  
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**GRAFTED ROSES.**

Charles H. Totty, Madison, N. J.  
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**NEW CROP FERNS.**

Caldwell The Woodsman Co.,  
Evergreen, Ala.

**PLANT AND BULB IMPORTATIONS.**

August Rolker & Sons, New York City.  
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**SEEDS, BULBS, PLANTS AND SUPPLIES.**

Henry F. Michell Co., Philadelphia, Pa.  
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**THE "KING" OF THE PHILADELPHIA SHOW.**

King Construction Co., No. Tonawanda,  
N. Y.  
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## WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as six words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 147 Summer St., Boston.

**HELP WANTED**

**WANTED**—At once, a young man as assistant gardener with general knowledge and experience of greenhouse work, on private place. Also a vegetable gardener, single man preferred. Please state age, nationality and wages wanted. "G." care of HORTICULTURE.

**SITUATIONS WANTED**

**POSITION WANTED** as gardener and florist on small private estate. Three years' greenhouse experience. Good references. **CLIFFORD J. HINDS**, General Delivery, Keene, N. H.

**SITUATION WANTED**—Head gardener, middle age; life experience in the business and understands the routine of work inside and out; greenhouse plants, fruit, vegetables. Married, no family. "F." care HORTICULTURE, Boston, Mass.

**FOR SALE**

**FOR SALE**—Fresh from factory, new; 10 x 12, 16 x 18, 16 x 24, double thick. A and B qualities. Market dropped. Now is the time to buy and save money.

**PARSHESKY BROS., INC.,**  
215-217 Havemeyer St., Brooklyn, N. Y.

**PROPOSALS**

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., April 5, 1916.—**SEALED PROPOSALS** will be received in this office until 10 a. m., May 3, 1916, and then opened, for planting trees, shrubs, etc., on the grounds of the Federal Building at Oldtown, Maine, in accordance with the specification, copies of which as well as copies of approach plan No. 1 of the building may be had upon application to the Custodian of the building, or at this office, Jas. A. Wetmore, Acting Supervising Architect.

**In writing to Advertisers kindly mention Horticulture**

# PINO-LYPTOL

## WEED KILLER

THE VERY NEWEST AND QUICKEST METHOD OF DESTROYING WEEDS, GRASS AND OTHER GROWTH IN GARDEN WALKS, CUTTERS, TENNIS COURTS, DRIVEWAYS, ETC.

This preparation destroys all weeds and other growth which are not supposed to grow in the places mentioned above. It is the most effective and safe and economical method of killing weeds and other growth in any way.

We manufacture the strongest and most effective of DISINFECTANTS in the market.

P.-L. CHEMICAL CO., 507-509 W. 19th St., New York

CORRESPONDENCE SOLICITED

### HOLLYHOCK RUST.

HOLLYHOCK RUST. The hollyhock disease has been one of the most difficult pests to control in the entire list of garden troubles. Many growers, succumbed by persistent use of Bordeaux mixture but they insist upon continuing to use it until the rust appears. In addition all infected foliage is promptly burned. Ammoniacal carbonate of copper has been successfully used by some and is preferred to the Bordeaux as less disfiguring to the plants. We would suggest a trial of Fungine if this has not been already tried. Many growers now make a practice of growing their hollyhocks annually from seed. —(Ed.)

### A SUBSCRIBER

The hollyhock disease has been one of the most difficult pests to control in the entire list of garden troubles. Many growers, succumbed by persistent use of Bordeaux mixture but they insist upon continuing to use it until the rust appears. In addition all infected foliage is promptly burned. Ammoniacal carbonate of copper has been successfully used by some and is preferred to the Bordeaux as less disfiguring to the plants. We would suggest a trial of Fungine if this has not been already tried. Many growers now make a practice of growing their hollyhocks annually from seed. —(Ed.)

### DURING RECESS.

#### New York Florists' Bowling Club.

Season for April 1, 1916

R. J. F. ...	141	141	152
L. M. ...	161	161	167
W. H. ...	157	157	158
P. J. ...	141	148	159
C. W. ...	161	172	159
J. F. ...	151		
M. F. ...	142		
A. K. ...	147	147	168

H. C. RICHIE, Sec.

### Chicago Bowlers.

The employees of Zech & Mann, went out to Maywood April 13th and bowled with the Amling men who won two games out of three. Zech & Mann have some good players but they demonstrated the fact that they can be good losers also.

### PUBLICATIONS RECEIVED.

Plant Propagation, Greenhouse and Nursery Practice by M. G. Kane, of State College, Pa., Published by Orange Judd Company New York. We have had many inquiries from time to time for a reliable and up-to-date book on plant propagation, but were always at a loss to find any publication that we could recommend. The subject has been dealt with in fragmentary manner only in books that have come to our notice. So it is well that this new work has been issued, especially as it is both comprehensible and practical, and it should meet with a ready sale among plantmen, nurserymen and gardeners. There are nineteen chapters covering in detail topics of germination and longevity of seeds, propagation by buds, layering, cuttings, grafting, etc., fruit tree stocks, cions, etc., and there are eight pages of condensed cultural instructions in tabulated form, covering annuals and perennials from seed, woody plants, evergreens, vines, bulbs and tubers, greenhouse and house plants, ferns, palms, water plants, orchids and cacti. The illustrations are numerous, comprising 213 figures and halftone plates. There are 322 pages well bound and on heavy paper, teeming with helpful information. It is a book which no cultivator can afford to do without. It is worth many times its price. Copies can be supplied from the office of HORTICULTURE at publisher's price, \$1.50.

### FREAKISH FACTS AND FACTLESS FREAKS.

#### Florists Mourn.

The Society of American Florists agreed to restrict the expenditure for flowers for Christmas Day to \$100 each. This is a restriction which every one probably connected with the practice excepted of the Pennsylvania florists.

—Waterville (Me.) Sentinel.

### Cannibal Plant Sighs for Forbidden Mouse.

Whisper it, so the S. P. C. A. won't hear! The first of the plant from Orange, N. J., to the Pennsylvania florists, was a cannibal mouse, but before the management could have its meals sent in from some neighboring restaurant.

The first of the plant from Orange, N. J., to the Pennsylvania florists, was a cannibal mouse, but before the management could have its meals sent in from some neighboring restaurant.

Latest dispatches from Orange announce that the hungry bit of vegetation has just arrived in the city.

N. Y. Tribune Mar. 23

## USE THIS PURE PLANT FOOD

FOR  
GARDEN

FOR  
LAWN



MAGIC HUMUS is a pure plant food, unleached and unburnt. Its analysis proves that it contains potash, phosphoric acid, nitrogen and Compost in available form.

MAGIC HUMUS COMPOST possesses the ability and power to absorb and retain Nature's moisture after it is put into the ground and spreads its fertilizing elements through the soil.

Months are occupied in the preparation of MAGIC HUMUS. It reaches the garden free from weed seed and can be readily handled.

The garden receiving a liberal application of MAGIC HUMUS COMPOST is permanently enriched with plant food and soil.

Seven 100-lb. Bags, \$5.00.

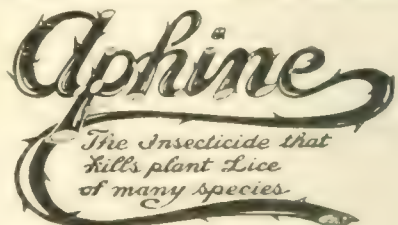
Single Bag, 100 lbs., 90c.

f. o. b. New York or Jersey City.

### HIGHGRADE MANURE COMPOST CO.

G. W. CHANDLER, Sales Agent.

533 West 24th St., New York, or  
68 Maple Ave., Red Bank, N. J.



The Recognized Standard Insecticide. A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$4.50.

### NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

Quart, \$1.50; Gallon, \$4.50.

Until further notice shipments on our products FUNGINE, VERMINE and SCALINE will be subject to conditions of the chemical market.

Prompt shipments can be guaranteed on APHINE and NIKOTIANA.

Aphine Manufacturing Co.  
MADISON, N. J.

## Aetna Brand Tankage Fertilizer

Is the best balanced fertilizer manufactured. It contains the ten salts constituting the soil. It is giving satisfactory results wherever used.

FARMERS' AND FLORISTS' FERTILIZER CO.  
809 Exchange Ave., Room 5, Tel. Dwyer 1932  
U. S. YARDS, CHICAGO, ILL.



## IMP. SOAP SPRAY

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

LOOK FOR THE IVY LEAF TRADE MARK.

Ask your dealer or write

EASTERN CHEMICAL CO., BOSTON

### NIKOTEEN

For Spraying

### APHIS PUNK

For Fumigating

Ask Your Dealer For It.

NICOTINE MFG. CO.  
ST. LOUIS



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Inc. 1904

Pot Makers for a  
Century and a Half

# HEWS STRONG RED POROUS POTS

World's Largest  
Manufacturers

Standard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.  
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.

Write for Catalogue  
and Discounts

**A. H. HEWS & CO., Inc., Cambridge, Mass.**

Warehouses:  
CAMBRIDGE, MASS.  
NEW YORK, N. Y.

## NEW CORPORATIONS.

Yonkers, N. Y.—McDonald Floral Co., Inc., florist, \$5,000; W. and M. M. MacDonald, 52 Ellicott Ave., Yonkers.

Syracuse, N. Y.—Russell Bros., Inc., florists; capital stock, \$50,000. Incorporators, C. M., E. H. and L. G. Russell, R. F. D. 4.

Orland, Cal.—Smith-Lachenmyer Nursery Co., capital stock, \$10,000. Incorporators, J. H. Smith, J. J. Lachenmyer and J. J. Flaherty.

Greenville, Mich.—Greenville Floral Company; capital stock, \$50,000. Incorporators, E. G. Muellic, E. A. Kemp, W. H. Browne and C. B. Rarden.

St. Louis, Mo.—Westover Nursery Co.; capital stock, \$5,000. Incorporators, Arthur W. Lambert, Boyle Price, H. W. Endres and F. R. Von Windeger.

Cleveland, O.—Park Flower Shop Co.; capital stock, \$10,000. Incorporators, Albert B. and Anna B. Barber, John M. Fratus, R. E. Elvidge and E. R. Cook.

Bluefield, W. Va.—Alexander Cut Flower & Plant Co.; capital stock, \$25,000. Incorporators, W. C. and M. B. Alexander, R. E. Goodrich, W. F. Soule and H. M. Tanner.

## BUSINESS TROUBLES.

Philadelphia, Pa.—Vollers House of Flowers; assets, \$6,000; liabilities, \$12,000. The business will be continued under the management of S. S. Pennock, trustee.



## DREER'S

Florist Specialties.  
New Brand. New Style.  
Hose "RIVERTON"  
Furnished in lengths up  
to 500 ft. without seam or  
joint.  
The HOSE for the FLORIST  
3/4-inch, per ft., 15 c.  
Reel of 500 ft., " 14 1/2 c.  
2 Reels, 1000 ft., " 14 c.  
3/4-inch, " 13 c.  
Reels, 500 ft., " 12 1/2 c.  
Couplings furnished  
HENRY A. DREER,  
714 Chestnut St.,  
PHILADELPHIA, PA.

## NON-KINK WOVEN HOSE

In all lengths. 1 lb. per  
foot. With couplings. Un-  
equalled at the price.  
Remnants shorter than 25  
feet 1 lb. per foot, coupled.

**METROPOLITAN MATERIAL CO.**  
1892-1414 Metropolitan Ave., Brooklyn, N. Y.

## STANDARD FLOWER POTS

If your greenhouses are within 500  
miles of the Capitol, write us, we can  
save you money.

**W. H. ERNEST**

28th & M Sts., Washington, D. C.

## GREENHOUSES BUILDING OR CONTEMPLATED.

Longview, Mo.—R. A. Long, addi-  
tions.

Ithaca, N. Y.—Boal Floral Co., addi-  
tions.

Edgerton, Wis.—B. C. Wilson, addi-  
tions.

Scranton, Pa.—G. E. Carpenter, one  
house.

Omaha, Neb.—Chas. Ederer, four  
houses.

Algona, Ia.—August Huenhold, range  
of houses.

Cumberland, Ind.—Bertermann Bros.  
Co., one house.

Austin, Tex. Hyde Park Floral  
Hall, additions.

Grand Island, Neb.—F. W. Blaise,  
range of houses.

Saylesville, R. I.—E. D. Tucker, ad-  
ditions and alterations.

Garrettsville, O.—H. J. Alford Co.,  
two houses, each 29 x 143.

Greenfield Hill, Ct.—D. H. Warner,  
Gilbert Hill Farm, one house.

Seattle, Wash.—Hollywood Farms,  
house, 39 x 325; lean-to, 12 x 75.

Rock Island, Ill. H. H. Hensley,  
Center Station, house, 20 x 100.

Tama, Ia.—W. H. Ford, Main street,  
range of houses and packing shed.

Greenville, Mich.—Greenville Flora;  
Co., range of houses in the summer.

Longmeadow, R. I.—Maplehurst  
Greenhouses, additions and alterations.

Shrewsbury, Mass.—Edith E. and  
Lillian E. Smith, North street, one  
house.

Dayton, O.—Miami Floral Co., S.  
Broadway and River road, range of  
houses.

Montgomery, Ala.—Rosemont Gar-  
dens, house, 30 x 200; two houses, each  
17 1/2 x 200.

## NEWS NOTES.

S. Norwalk, Ct.—Mrs. Jas. Patience  
has leased her greenhouses to David  
Moore.

Nashua, N. H.—B. A. Snyder & Co.  
Boston, have purchased an interest in  
the Gaedeke greenhouses.

Faribault, Minn.—The Faribault  
Flower Store has been purchased by  
S. G. Kinney, formerly of the Brand  
Nursery Co., Owatonna.

## MASTICA



For Greenhouse  
Glazing  
**USE IT NOW**

**F. O. PIERCE CO.**  
12 W. BROADWAY  
NEW YORK

Mastica is elastic and tenacious, admits of  
expansion and contraction. Putty becomes  
hard and brittle. Broken glass more easily  
removed without breaking of other glass  
as occurs with hard putty. Lasts longer  
than putty. Easy to apply.

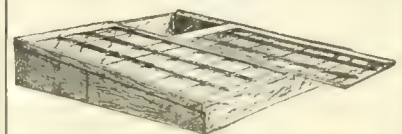
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Trademarks  
and Copyrights

Difficult and rejected cases speci-  
ally solicited. No misleading in-  
ducements made to secure business.  
Over 30 years' active practice. Ex-  
perienced, personal, conscientious  
service. Write for terms  
Address,

## SIGGERS & SIGGERS

PATENT LAWYERS  
Box 9, National Union Building  
Washington, D. C.

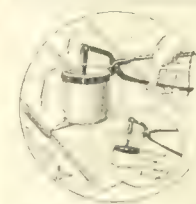


## HOTBED SASH at 75c. each

Made of best grade Gulf express.  
Glazed Hotbed Sash from \$1.65 up.  
Double Light Sash up to \$4.00.

We carry a large stock of all sizes.  
Write us for estimate.

**S. JACOBS & SONS**  
1359-1385 Flushing Avenue BROOKLYN, N. Y.



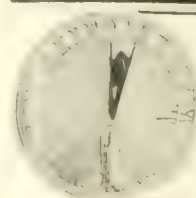
Will last a life time.

\$1.25 EACH

Adjustable, can and  
frame separate—  
easily cleaned.  
Frame all one piece,  
of malleable iron.  
More practical and  
more easily operated  
than any other.

Seal-tight liquid putty at \$1.25 per gallon.

**METROPOLITAN MATERIAL CO.**  
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## SUNDIALS

Real Bronze Colonial De-  
signs From \$3.50 Up

Also a large stock of  
sundials at other garden re-  
quests.

Manufactured by  
**THE M. D. JONES CO.**  
71 Portland St., Boston, Mass.  
Sole U.S. Agents



Read Here what McCloskey & Dehn, Middle Village, L. I., Wrote Us After We Finished These Greenhouses for Them.

*Robert McCloskey & Dehn,  
Middle Village, L. I.,  
New York.*

*Dear Sirs:  
We desire to express our thanks for the way you finished our contract. It is the best and promptest of our life.*

*With your assistance we were enabled to finish our contract.*

*McCloskey & Dehn.*

We simply lived up to our promises—that's what we do in all cases.

At it almost half a century. We know what to do and what not to do.

If you contemplate building a greenhouse write us—we can save money for you.

**S. JACOBS & SONS**

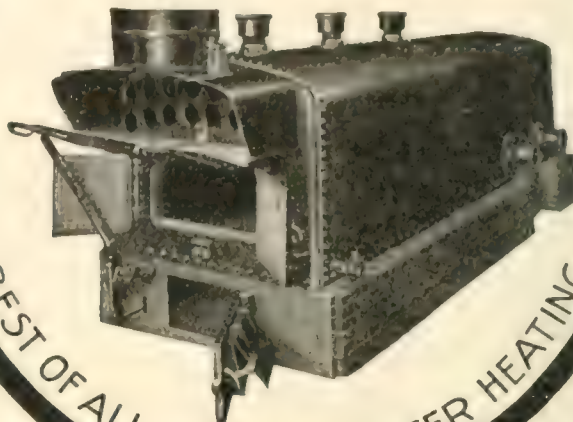
Greenhouse Builders

1359-1365 Flushing Ave., Brooklyn, N. Y.

SEND FOR  
CATALOGUE

DO IT  
TODAY

## THE KROESCHELL GREEN HOUSE BOILER



BEST OF ALL FOR HOT WATER HEATING

KROESCHELL  
BROS. CO.

468 W. ERIE ST.  
CHICAGO

## FOLEY MATERIALS

ARE THE BEST FOR

### Iron Frame, Pipe Frame or Wood Frame GREENHOUSES

Estimate and Sketch Submitted Promptly

**THE FOLEY GREENHOUSE MFG. CO.**

3275 West 31st Street, CHICAGO, ILL.



**EVERYTHING FOR THE GREENHOUSE**  
**John C. Moninger Company**

CHICAGO: 922 Blackhawk St. NEW YORK: 812 Marbridge Bldg.  
CINCINNATI: 2314 Union Central Bldg.

**SHARP, PARTRIDGE & CO.**

Are Leaders in

## GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.

### Dreer's Peerless Glazing Points

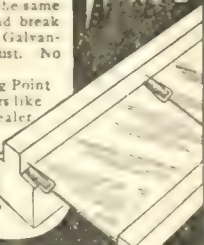
For Greenhouses

Drive easy and true, because both bevels are on the same size. Can't twist and break the glass in driving. Galvanized and will not rust. No rigids or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c postpaid. Samples free.  
**HENRY A. DREER,**  
714 Chestnut Street,  
Philadelphia.

FULL  
SIZE  
No. 2



### MOST PRACTICAL Shelf Bracket



20c  
With Bolts  
Complete

On this Shelf Bracket 2 6-inch boards; or 2 1-inch, or 1 1/2 inch pipes are placed, and can be clamped to either ridge or partition columns.

**FLATS** 12x20x3 inches 6 3-4 cents

**METROPOLITAN MATERIAL CO.**  
1392-1414 Metropolitan Ave., Brooklyn, N. Y.

## PIPE

Wrought Iron of sound second-hand quality with new threads and couplings. 14-foot lengths and up. Also pipe cut to sketch. We guarantee entire satisfaction or return money.

Established 1902

**PFAFF & KENDALL, 655 Ferry St., Newark, N. J.**

## GLASS

Greenhouse Material  
Hot Bed Sashes

Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

**PARSHELSKY BROS. Inc.**  
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### Evans 20th Century Arm

Most up-to-date arm on the market. Proved that it is better than any other is that others tried to imitate. Write for our 1915 catalog just out.

**JOHN A. EVANS CO.**  
Richmond, Ind.

### THE FLORISTS' HAIL ASSOCIATION

Is a mutual organization, insuring greenhouse glass against hail. Both commercial and private establishments are accepted. For particulars, address

**John G. Esler, Sec., Saddle River, N. J.**  
Insure Now.

**GET OUR CATALOGUE**  
On Ventilating Apparatus and Greenhouse Fittings.  
**ADVANCE CO., RICHMOND, IND.**



The "King"  
Of the Philadelphia Show

# King GREENHOUSES

Have a special type of construction, which permits of great strength without the need of heavy shadow-casting supports. This gives the plants all the sunlight all day long.

In addition to its great strength the King type of construction lends itself to the graceful sweeping lines which harmonize with any style of architecture. That is why a practical, productive King house is in itself a thing of beauty.

We can build you any kind of a greenhouse you desire; when you send for bulletin No. 47 why not describe that house you have always wanted, that ideal greenhouse of your dreams. Our experts will gladly and without any obligation, work your ideas into a practical sketch. Since the days of fairy tales a King has been able to make dreams come true.

## KING CONSTRUCTION CO.

28 King Road North Tonawanda, N. Y.

*All the Sunlight All-Day Houses*





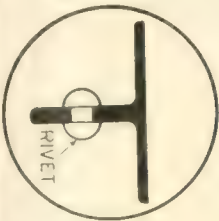
The Co. H. Shubart house at Holyoke, Mass. The columns are double angles riveted together.

## Which Column Is Best? Double Angle—I-Beam—Or Pipe

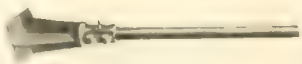
When you consider that the columns in your house support such loads more weight than any other part, the importance of the right column is of great importance.

At once the double angle bolted together column comes to mind by some to be a decided improvement over the pipe columns, because they are supposed to be stronger and yet seemed lighter. However, however, have proven that a pipe column of same width of diameter and containing the same amount of iron is just as strong and as light as a double angle.

Now the beam column the same is true. It is a well established fact that any circular column is stronger than an angular one.



Whenever we have used a double angle column it has always been riveted close together, no spacing between.



It was generally considered that the I-beam column would be less liable to "buckle" than the pipe, but practice proves otherwise.

All our pipe columns in the reconstructed construction are set in their cast iron foot bases. No part of the column is below grade line.

because it diffuses the light more, quite as water laps around anything that is round, and strikes against anything flat or angular.

In our constructions we have used all three kinds of columns, but are advising pipe columns for all the houses we are now erecting.

The ancient Greek buildings were, as you know, mainly supported by circular columns, and when you consider how so many of them have stood all these years, it looks as if the Greek builders knew what they were about.

Let us tell you, point by point, every structural point of our entire Reconstructed Construction. You know we go anywhere for business. Or to talk business.

New York, 1170 Broadway  
Boston, 49 Federal Street  
Philadelphia, 40 S. 15th Street

**Hitchings and Company**

General Offices and Factory  
Elizabeth, N. J.

Vol. XXIII  
No. 18  
APRIL 29  
1916

# HORTICULTURE



C. C. Trepel's Roof Greenhouse, Broadway, New York City

Built by S. Jacobs & Sons, Brooklyn, N. Y.

Published Every Saturday at 147 Summer Street, Boston, Mass.  
Subscription, \$1.00

# The Best Hardy Everblooming Roses

**AARON WARD, MRS.** Bright yellow, semi-double, bushy. 40 cts. each; bundle of five, \$1.75; \$30.00 per 100.

**AMERICAN BEAUTY.** 40 cts. each; bundle of five, \$1.75; \$30.00 per 100.

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**GRASS AN TEPITZ.** 40 cts. each; bundle of five, \$1.75; \$30.00 per 100.

**JONKILLER J. L. MOCK.** Deep tricolor pink, the outside of the petals silvery rose white. 35 cts. each; bundle of five, \$1.60; \$25.00 per 100.

**JULIE.** 40 cts. each; bundle of five, \$1.75; \$30.00 per 100.

**KAISERIN AUGUSTA VICTORIA.** White, semi-double, bushy. 40 cts. each; bundle of five, \$1.75; \$30.00 per 100.

**KILLARNEY.** 40 cts. each; bundle of five, \$1.75; \$30.00 per 100.

**WHITE KILLARNEY.** 35 cts. each; bundle of five, \$1.50; \$25.00 per 100.

**LADY HILLINGDON.** 40 cts. each; bundle of five, \$1.75; \$30.00 per 100.

**LYON.** 40 cts. each; bundle of five, \$1.75; \$30.00 per 100.

**MADAME ABEL CHATELAIN.** 40 cts. each; bundle of five, \$1.75; \$30.00 per 100.

**MME. EDWARD HERRIOT (The Daily Mail Rose).** 40 cts. each; bundle of five, \$1.75; \$30.00 per 100.

**MAMAN COCHET PINK.** 40 cts. each; bundle of five, \$1.75; \$30.00 per 100.

**MAMAN COCHET WHITE.** 40 cts. each; bundle of five, \$1.75; \$30.00 per 100.

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**MILDRED GRANT.** 40 cts. each; bundle of five, \$1.75; \$30.00 per 100.

**PRINCE OF BULGARIA.** 40 cts. each; bundle of five, \$1.75; \$30.00 per 100.

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**RICHMOND.** 40 cts. each; bundle of five, \$1.75; \$30.00 per 100.

**VISCOUNTESS FOLKSTONE.** 40 cts. each; bundle of five, \$1.75; \$30.00 per 100.

## Hardy Hybrid Perpetual Roses

### LARGE TWO-YEAR-OLD BUSHES

**ALFRED COLOMB.** Carmine crimson, a grand Rose.

**ANNE DE DIESSBACH.** Bright carmine.

**BALL OF SNOW (Boule de Neige).** Large, pure white, globular.

**BARONESS ROTHCHILD.** An exquisite shade of satin pink.

**CAPTAIN HAYWARD.** Scarlet crimson; perfect form.

**CAPT. CHRISTY.** Delicate flesh color, deepening toward center.

**Clio.** Satin blush; very fine sort.

**FRAU KARL DRUSCHKE.** Snow white. Makes splendid buds and immense flowers. 4 to 5 inches across, perfectly double and delightfully fragrant.

**GEN. JACQUEMINOT.** Brilliant crimson; the popular Rose.

**HUGH DICKSON.** Brilliant crimson, shaded scarlet; good size, fine form; free flowering; Gold Medal, N. R. S.

**JOHN HOPPER.** Bright rose, with carmine center.

**MARGARET DICKSON.** White, with pale flesh center.

**MARSHALL P. WILDER.** Cherry rose and carmine.

**MAGNA CHARTA.** Dark pink; one of the earliest Roses to grow.

**MME. GABRIEL LUZET.** Light, satiny pink; attractive sort.

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**MRS. SHARMAN-CRAWFORD.** One of the finest Roses grown. Deep, rosy pink, the outer petals shaded with pale flesh color. White at base of petals.

**PAUL NEYRON.** Flowers 5 inches across; lovely dark pink.

**PERNIAN YELLOW.** Hardy yellow Rose; best of its color.

**PRINCE CAMILLE DE ROHAN.** Dark crimson maroon.

**ULRICH BRUNNER.** Cherry red; grand Rose; free blooming.

20 cts. each, 80 cts. per bundle of 5 (one variety only), \$15.00 per 100, \$145.00 per 1000

**ARTHUR T. BODDINGTON CO., Inc. Seedsman**

128 Chambers Street, New York

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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—Pope.

## Care of Orchids

Use judgment now in shading so the foliage will not burn. The amount and frequency of the watering, sprinkling of the floors, etc., will depend largely upon the weather. As the season advances more air will be needed and consequently syringings overhead once or twice a day will be necessary. Air should be left on during damp weather to prevent the young growth from rotting. *Cattleya Trianae*, *Percivaliana* and others, starting action in poor material should be repotted. *Coelogyne cristata* will now have finished blooming and will soon start into new growth. A free cool atmosphere with spraying overhead once or twice a day should be given. Keep all the plants clean by sponging as orchids are very liable to be overrun with insects.

## Gardenias

Stock that was propagated in January should now have a shift into 4-inch pots, which will hold them until planting-out time in June. A good compost is fibrous loam three parts, very old cow manure and leaf mold one part each and some sand. Damping down will now be necessary, morning, noon and night, and the plants must be examined each day and watered only if they need it, for even whilst growing, they should not be kept in a saturated condition. Keep temperature of 65 to 70 degrees at night with about 10 to 15 degrees higher with sunshine and have an abundance of moisture in the atmosphere continuously. To attain success with gardening atmospheric conditions play a most important part.

## Pot Evergreens

Boxes, laurels, aucubas, hollies and many other evergreens that have been kept in a rather damp shed or house should be placed in a very cool house where they can have plenty of ventilation. Just before the new growth starts they should have some judicious pruning and trimming to correct any imperfections. Syringe freely and give them occasional liquid feeding. Give a top-dressing of loam and cow manure in equal quantities, with a liberal sprinkling of fine bone. Remove as much of the old surface soil as possible and replace with this mixture. The sweet bay—or *Laurus nobilis*—is preeminently ahead of all other evergreens. There is an increasing and continuous demand for evergreens in pots or tubs for inside and outside decorations.

Next Week: ASTERS; ANTHURIDS; CHRYSANTHEMUMS for Large Specimens; Stephanotis; Seedling Amaryllis; Planting Seed Outside.

## Poinsettias

Old plants that have been resting since the new year can now be started, shortening back the stems and repotting in as small pots as the roots will permit. Remove all stock plants to a well-lighted bench where there is a temperature of about 65 degrees at night. They can be potted into any good compost. Give each pot good drainage as they will not do well without it. Give them a good soaking of water and then keep rather on the dry side until the plants start into growth and they will soon produce a quantity of cuttings. When cutting in you can use the old-wood cuttings and by placing in a warm frame and keeping the temperature from 65 to 70 degrees, in about three or four weeks they will be rooted. Pot them into three-inch pots using a good loam with one-fourth of rotten manure. Cuttings can be rooted at any time from now until the middle of August. Those propagated in July and August are fine for making up pans, but the earlier ones will give the finest bracts for cutting.

## Primulas

The earliest sown primulas are now nice little plants with several leaves. Timeliness in transplanting is a point principally to be observed. Use a compost of equal parts of new soil and leaf mold, with a little well decayed cow manure. Give a light shelf or bench where the temperature will not run over 50 degrees at night. Never let them suffer for want of water and syringe on all fine days. A comfortable spacing out once a week will give them more room to grow. Look every ten days or fortnight for aphids, and where they are seen fumigate immediately. In about six weeks they should be ready for two-inch pots, using a compost of fibrous loam four parts, cow manure and leaf mold one part each. They are benefited by a light shading during the hottest part of the day. Give air daily whenever possible always avoiding cold draughts and do not try to force them.

## Late Propagation

All such stock as coleus, pelargoniums and zonale, variegated or rose geraniums, lantanas, bouvardis, verbenas, etc., can be rooted within the next ten days and make fair stock for late sales. Also put in cuttings of hydrangeas, chrysanthemums, fuchsias, heliotropes, etc. Where these are not sold they will make fine plants for planting out.

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# HORTICULTURE

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The St. Louis wholesalers are certain long on courage, if our news notes tell the truth about their Easter performance. It takes some "sand" to refuse to open up and do business on Easter Sunday morning in the face of the allied forces of retailers and growers. It is a problem hard to deal with but we are of the opinion that it would be better in the long run for all interests if the flower markets should all close up tight on Sunday throughout the year, except for the care of shipments arriving unavoidably on that day. A few sales might be lost but, on the other hand, the retailer wish-

to be prepared to meet some emergency call on Sunday would then find it necessary to lay in a supply on Saturday for that purpose, something he need not do now when the wholesaler is willing to carry stock subject to his call. The great difficulty is in getting all to agree and to stick to the agreement and that is where St. Louis seems to have accomplished something noteworthy.

The old notion that only a very limited number of varieties could be profitably grown for commercial cut flower use seems now to have been pretty well refuted, as will be plainly evident to anyone who has opportunity to observe the great variety of stock offered in the wholesale marts from day to day. Each season has its crop of comparatively new things which are put forward for popular favor by growers who are not willing to stand still and simply follow along in the same ruts as their neighbors. The only way, however, to compel attention and give a new subject a fair start is to show it at its very best and in adequate quantities to make an impression. There can be no more effectual way for permanently injuring the prospects of any new candidate for popularity than by introducing it in inferior quality. Far better not to touch it at all until it can be done well. There is in any case a certain amount of risk to be assumed in the preparing and placing on the market of any new thing but the possibilities of failure will be largely decreased by the exercise of good judgment as to the time and place and other circumstances attending the debut, but most of all by showing the goods in a degree of quality as near to perfection as can possibly be attained.

The great spring floral festival having passed into history, other activities scheduled for the weeks which intervene between now and the summer quietude will now claim attention. In many places Memorial Day holds a prominence scarcely less than that of Easter and in such section the production of well-grown crops of appropriate material that can be depended upon as to time, regardless of the condition of outdoor products, can hardly be overdone. We presume that unwisely promoted enterprise—Mother's Day—will also call for more or less advance preparation in some circles. June weddings and school graduations too, are only a few weeks removed and there are strong indications that the amount of garden planting done this season will be of unprecedented extent, in both hardy and tender material. In the way of exhibitions all past records for a similar period of the year will be beaten. Boston's big May show, the notable garden exhibition at Pelham Bay Park, New York, in early June and the four proposed sweet pea shows of June and July are all outstanding affairs that will help to keep things stirring horticulturally as never before. All America will have to stay at home this year and this grand opportunity, the like of which will never occur again, to push horticulture into the foreground as a rational and all absorbing substitute for foreign travel and attendant diversions must not be neglected in any respect if we are to extract from it the full advantage which lies so easily within our reach. "Make hay while the sun shines."

# ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur C. Ruzicka*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

## Keep the Fires Going

Do not let the fires go out as soon as the first few days of warm weather come around. This may save a little coal but the plants will suffer in the end, getting a dose of mildew almost without fail. It will do the houses no good to run cold at night, with the damp chilly air creeping in from the outside. With the houses planted late there will still be a good many roses to cut before they are replanted and if these roses can be kept free from mildew and be of good quality otherwise, there will still be quite a little money coming in. The amount of coal consumed will be very little compared to the good it will do the plants. With good boilers which are big enough the fires will not need much attention at night and arrangements to care for them can be made even on a small place having no regular night man in the spring and summer. It is a little more difficult to fire with small coal as the boilers cannot be loaded down with it but where larger coal is burned it is very simple to load up to last for four or five hours. If there is no steam in the houses shut off some of the hot-water pipes, thus directing the circulation into one or two coils, giving these circulation which would be impossible to secure with a low fire and the whole system turned on. In turning off some of the pipes on the hot-water system some thought should be given to the effect that the remaining pipes will have on the distribution of heat. Conditions vary, and in some localities the wind will hit the houses in such a way as to make it necessary to use the coils in the center of the house instead of the coils around the wall as is customary.

## Pot-Bound Plants

Even with careful planning there may be a batch of plants that will come a little ahead of time, and as they are in the largest pot it is not possible to shift them again until after they are planted, or it may be that room has to be made before a certain lot of plants can be shifted into larger pots. In either case the plants will likely become pot-bound and will receive a severe check both in growth and in root as well. To prevent this a light dressing of bonemeal every week will keep them moving until a time when they can be either plant-

ed or repotted. Of course it is much better for the plants to be potted or planted on time and the method mentioned above should be used only in emergencies and should not be practiced except when circumstances prevent work being done on time. In applying the bonemeal make sure that it is put on evenly so that all the plants will receive about the same amount. This will insure even growth, and prevent some plants from getting stunted while others are making too much growth. Liquid manure had better not be used on pot-bound plants, as it will likely produce a lot of very rapid and weak soft growth which will be easy prey to mildew. Water the plants before the bone is applied and do not apply it until the foliage is thoroughly dry, so that there will be no bonemeal sticking to the leaves. Water the plants directly after it is applied, so as to get it into the soil and to remove what little dust there may be sticking to the leaves here and there.

## Care of Outdoor Roses

Many growers have quite a number of plants growing outside mostly for cut flowers in the summer, to go out on small orders when greenhouse roses are scarce. There is no better time than now to go through these and pull out all the perennial weeds that may have established themselves among the plants last summer. These can be easily pulled up now while the ground is still moist, something which will be almost impossible after the ground dries out a bit. If the plants have not been pruned as yet it is time to do it before many of the buds start. The mulch they received last winter can be left right among them, thus doing away with a good deal of hoeing and also keeping the soil cool for the roots to work in. To save space it will be best to have these roses planted about as they are in the greenhouse benches, with paths between every four or five rows. The walks should be higher than the beds instead of lower unless the roses are planted in very wet ground. The higher paths will be welcome if the plants have to be watered with a hose as the water will quickly drain to the plants leaving the paths dry. A line of irrigation nozzles put up over the rose beds will pay for itself the first season, not only in the time saved but also because it will insure water when the plants need it.

## VISITORS' REGISTER.

Pittsburgh—Julius Dilloff, New York.

Philadelphia—H. E. Hildebrand, Harrisburg, Pa.

Cincinnati—Geo. Frisch, Jr., and M. Anderson, Dayton, Ohio.

New York—W. J. Stewart and Mrs. Stewart, Boston; J. D. Twombly, Winchester, Mass.; A. A. Leach, Pittsburgh, Pa.

Boston—Walter Gott, representing Sander & Sons, St. Albans, England; Maurice L. Glass, of Henry M. Robinson Co., New York; Prof. A. H. Nehrling, Amherst, Mass.

Chicago—Mrs. A. C. Roth, Joliet, Ill.; John S. Carter, St. Louis, Mo.; E. A. Feters, Cleveland, Ohio; Robt. Rahaley, Detroit, Mich.; Mathias Ulenbruch, Port Huron, Mich.

Washington, D. C.—Hugo F. Houftman, Juliana Nurseries, Boskoop, Holland; T. A. Warne, Floral Nurseries, Bristol, Pa.; L. B. Brague, Hinsdale, Mass.; representative of the Lakin Floral Co., Syracuse, N. Y.

By moving and replacing many of the trees on the campus, the landscape gardeners at the University of Wisconsin plan to make a number of changes this spring that will enhance

the beauty of the university grounds. Many of the trees are crowded and the plan is to take these away and plant others where they can grow as they should. Linden Drive, which leads to the College of Agriculture, will be widened from twenty to forty-eight feet. Many red and white pines and evergreens will be secured from the state conservation department and planted in various places on the campus. A pine plantation will be established on Eagle Heights, about three miles from the main campus. Trees in other positions will be moved and many will be transplanted to the lake shore to shield the power house

# SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

The thirty-second meeting of the executive board of the society was held at the Hotel Wallon, Philadelphia, March 28 and 29. With two exceptions, every member was present, as follows:

President, S. F. Kerr, St. Paul, Minn.; Vice-President, H. A. Wirth, New York City; Secretary, N. A. W. Kerr, New York City; Treasurer, J. A. Peterson, Omaha, Neb.; J. A. Peterson, director, Cincinnati, O.; Wm. R. Nicholson, director, Elmhurst, Ill.; Angelo J. Rossi, director, Knoxville, Tenn.; S. S. Pennock, president, American Rose Society; Joseph H. Hill, president, American Carnation Society; Irwin Bertermann, president, Florists' Telegraph Delivery; Henry Weston, president, New York Florists' Club; Patrick Welch, past president, Boston, Mass.

And in addition there were present: J. A. Peterson, New York City; Wm. R. Nicholson, Elmhurst, Ill.; Angelo J. Rossi, Knoxville, Tenn.; S. S. Pennock, American Rose Society; Joseph H. Hill, American Carnation Society; Irwin Bertermann, Florists' Telegraph Delivery; Henry Weston, New York Florists' Club; Patrick Welch, Boston, Mass.

Reports from the secretary and treasurer were presented and accepted, both showing the affairs of the society to be in excellent shape. Recommendations made by the treasurer in regard to certain of the society's securities were approved and adopted. The reports were referred to an auditing committee.

The committee on proposed amendments to the Constitution and By-Laws, Theo. Wirth, chairman, presented a lengthy report covering changes recommended at the San Francisco convention. After considerable discussion these amendments were all adopted for submission to the Houston convention.

The following are the articles and sections as amended:

## AMENDMENT TO ARTICLE V.

### Article V. Meetings.

Section 1. At the thirty-second annual meeting to be held August 15 to 18 in Houston, Texas, the meeting places for the years 1917 and 1918 shall be selected by ballot, and at the meeting of 1917 and at every meeting thereafter, the meeting place for the second year following that meeting shall be so selected.

The meeting shall be held on the evening session of the first day of each annual convention.

The time for the annual meeting shall be the third Tuesday of August in each year, continuing for three days, or until all business is completed.

The city applying for the meeting shall, with its written application, provide the free use of a place for the purposes of a convention, which place shall be available from the early spring of the year before the meeting to the late fall of the year of the meeting.

## AMENDMENT TO ARTICLE II.

"Article II. Section 2. Elections and Appointments."

The president, first vice-president, secretary, treasurer, and two directors shall be elected by ballot at the annual meeting of the society, and their term of office shall begin with the first day of January next succeeding the election. The term of office of the president, vice-president, secretary and treasurer shall be one year, and the term of office of the directors three years, or until their successors are duly elected and qualified.

### Section 3. Duties of Officers.

(a) President.—The president shall preside at all meetings of the society, and exercise a general supervision of its affairs. He shall report from time to time such measures as seem necessary for promoting the interests of the society.

He shall annually, on the first day of January, appoint one botanist, one entomologist, one vegetable pathologist, and one state vice-president for each state or territory represented in the society; he shall act as chairman of the executive board at its meetings and sign all diplomas and certificates of the society.

## Section 2. Elections and Appointments.

The president shall appoint on the first day of January of each year, or as soon thereafter as may be possible, one or more state vice-presidents from each state and territory represented in the membership, to serve for a term of one year. Clubs, societies or kindred organizations of professional florists, gardeners and horticulturists may be permitted to elect a representative to the society.

The S. A. F. and O. H. shall be entitled to one representative on the board of directors. Such representative shall be the president of such organization and must be a member of this society. Any elective officer or appointed director shall not be eligible as a representative of such organization. When the president of any such organization is already a director, the vice-president shall be eligible for the office. An organization providing for representation shall submit to the secretary of this society a certified copy of the resolution adopted by their organization that they wish such representation on the board of directors, together with a complete list of its membership. It shall be the secretary's duty to confirm same and submit it to the president for final confirmation. Announcement of such director shall be made by the president.

## AMENDMENT TO ARTICLE II.

Article II. Officers, Their Election and Duties.

### Section 2. Elections and Appointments. Paragraph (d).

The secretary shall cause official ballots to be prepared according to the "Australian" form containing the names of all candidates nominated for the various elective offices. Balloting shall take place at the morning session of the third day of the annual meeting. The secretary shall prepare four election books, in which the names of members eligible to vote are alphabetically arranged. Book 1 to contain all names from letter "A" to letter "D" inclusive. Book 2 to contain all names from letter "E" to letter "K" inclusive. Book 3 to contain all names from letter "L" to letter "R" inclusive. Book 4 to contain all names from letter "S" to letter "Z" inclusive. The secretary shall provide a ballot box for each book. The president or presiding officer shall appoint one checker for each book, and one receiver for each ballot box, and one judge of election, who shall have charge of the checkers and receivers who together with him, form the election board. They shall after the close of the polls, assort and count the votes cast and report the results to the convention. The polls shall remain open from 10 A. M. to 11 A. M., or until all legal voters in line at that time shall have an opportunity to cast their votes. A majority of all the votes cast shall be necessary for an election; and the president or presiding officer shall declare who is elected. In case of failure to elect on the first ballot, the president shall order a new ballot immediately, polls to remain open one hour; should this ballot fail to elect, the president shall order a third ballot, polls to remain open one hour; this ballot shall be limited to the two candidates receiving the highest vote on preceding ballot.

## AMENDMENT TO ARTICLE III.

### Government, Executive Board.

Between the sessions of the society its government shall be vested in an executive board, consisting of the president, junior vice-president, first vice-president, secretary, treasurer, and the board of directors.

## AMENDMENT TO ARTICLE II.

Election and Appointment of Officers, Directors, and Committees, and Their Respective Duties.

Section 1. Standing Committees and Their Duties.

Paragraph (a) Standing Committee on

Conventions and Gardens. The president assuming office January 1, 1917, shall appoint three members, one serving three years, one two years, and one one year. Each next elected president when taking office shall appoint one member to serve three years. This committee shall have full charge of all convention garden arrangement work under the direction of the executive board. The members shall elect their own chairman, and shall be subject to the call of the president and the executive board.

Paragraph (b) Publicity Committee. The president assuming office January 1, 1917, shall appoint five members, one to serve five years, one four years, one three years, one two years, one one year. Each next elected president when taking office shall appoint one member to serve five years. The members shall elect their own chairman.

It shall be the duty of this committee to keep up an efficient campaign of proper horticultural and floricultural advertisement along educational and progressive lines, in trade papers, periodicals, and the press in general.

Paragraph (c) American Horticultural Products Committee. The president assuming office January 1, 1917, shall, and each next elected president upon taking office shall, appoint three members to serve one year.

It shall be the duty of this committee to advocate, induce, promote, and assist in every possible way the production in this country of horticultural products now imported from foreign lands.

NOTE.—The committee believes that all other standing committees created by the society at its different annual meetings should be classed under this new Section 4.

Vice-President Kerr made a lengthy report covering the plans and arrangements made for the housing of the Houston Convention and Trade Exhibition. The convention hall, he said, would provide an area of 20,000 square feet for display space, which he thought would be ample. The hall was located three blocks from Rice's Hotel, which would be headquarters, and five blocks from the convention garden. Work on the convention garden, he said, was in active progress, and its success was practically assured. Some action had been taken, he said, in regard to getting low railroad rates to Houston, and it seemed quite probable that a one and one-third rate would be secured over all railroads in the United States.

The committee on convention garden was appropriated a sum not to exceed \$500 for purposes of the garden.

The first business at Wednesday morning's session was the reading of the report of the auditing committee, which found the reports of the secretary and treasurer to be correct, and complimented these officers upon the efficient work shown in the reports.

The matter of arrangements for the trade exhibits at Houston was again discussed, and it was decided to make the rate for exhibition space 40 cents per square foot.

The publicity committee, through its chairman, Irwin Bertermann, reported progress. The committee had not had a full meeting. Consequently, a report could not be presented at this time. Mr. Bertermann, however, made a short address in which he embodied his personal ideas. It was evident that the prevailing idea as to

a publicity campaign was that its cost was not within the reach of the society. He was of the opinion that a small beginning might be made through the employment of a capable man, well versed in matters pertaining to the business, with compensation of five hundred to one thousand dollars per year for his services, and he made this recommendation. A very lengthy discussion of this proposition ensued. Finally, on motion, it was decided that a publicity man be engaged to operate under the direction of the secretary at a salary of fifteen dollars per week, with the approval of the publicity committee, any legitimate expenses to be vouched for by the chairman of the committee; and, further, that if the committee should see fit to send out an appeal for funds to carry the campaign further, it is authorized to do so.

A communication from the Mothers' Day International Association, Inc., was read asking the society to co-operate with the association in giving publicity to the proper day for the celebration of "Mothers' Day," the second Sunday in May, and the fact that the emblem of the association was the white carnation.

On motion of Mr. Kasting, the board unanimously acceded to the request, and a copy of the resolution was immediately given out to representatives of the daily press and Associated Press.

The following appropriations were made:

Office of Entomologist .....	\$100.00
Office of Pathologist .....	100.00
Office of Botanist .....	100.00
Members' buttons .....	100.00
Clerical assistance at convention ..	100.00
School garden committee ..	100.00
Legislative committee ..	100.00
Sergeant-at-Arms .....	50.00
Sports committee .....	50.00
Secretary's office, as usual ..	
Official stenographer ..	
(Traveling expenses additional) ..	125.00

The question of further support of the Mothers' Day movement instituted by the association headed by Miss Anna Jarvis was discussed at length, and, on motion, the secretary was instructed to send an appeal to all the members of the society for a subscription toward the Mothers' Day fund.

The secretary was directed to invite the presentation of two essays at the Houston convention.

Adjournment was then taken until after luncheon.

At the final session many matters tending to make the work of the society of greater service to its members were considered, among them the compilation of a trade directory which should be reliable and strictly up-to-date. Some earnest discussion upon the subject ensued, resulting in the carriage of a motion that a committee of three be appointed to look into the advisability of the issuance of a trade directory by the society, or any other publication, the committee to report at the Houston convention.

The secretary was instructed to prepare an Order of Business for the Convention, and another one for the meetings of the executive board, anything not covered to be proceeded with under Roberts' "Rules of Order."

Prof. H. B. Dörner, of the University of Illinois, Urbana, was present, and was given the privilege of the floor. The Professor explained that he appeared before the board as the representative of members of the society

DAHLIA GERTRUDE MANDA.



NEW DAHLIA GERTRUDE MANDA.

Raised by W. A. Manda.

The dahlia depicted on this page is one of a sensational set of novelties raised by W. A. Manda, South Orange, N. J., and introduced by him last year. The color is a luminous peach-

blow and, as the picture indicates, the flower is of medium size carried on long graceful stems and well adapted for decorative use as a cut flower. It sold well in the New York cut flower market last fall.

connected with the faculties of different universities and colleges who desired, in the interests of the society, to organize a section to be composed of all members interested in educational and research work pertaining to the profession. The group was strongly interested along certain lines, the work being sufficiently important to warrant the support of the society to the extent of making it a section and furnishing accommodations in the way of quarters for its members at the society's different exhibitions, where contact could be had with florists and others having problems which merited the active interest of such a section. Such a section, he suggested, should be known as the "College Florists' Section." The proposition proving favorable to the board, the section as stated was on motion authorized.

Other matters were considered informally, taking up the time of the board until adjournment. At the close of the meeting Mr. Welch pointed out that his membership on the board was practically then expiring and in a graceful speech expressed the pleasure he had experienced in meeting at different times with his brother members and his regret at not being able officially to continue with them, but he was satisfied that the affairs of the society were in good hands and the organization would be kept moving along progressive lines.

After a motion directing the secretary to transmit a letter of thanks to the local organizations for courtesies shown to the board, adjournment was taken to Monday, August 14, at Houston.

#### Department of Plant Registration.

Public notice is hereby given that, as no objection has been filed, the following registration becomes complete: Rose Bedford Belle, by the Bedford Flower Co., Bedford Hills, N. Y.

JOHN YOUNG, Sec.

April 16, 1916.

#### PERSONAL.

A. C. Boje, formerly of Magnolia, Mass., has removed to Cedar Crest Farm, Trapelo Road, Waltham, Mass.

A. R. Cosh, gardener for Mrs. C. D. Sias, of Wenham, Mass., was united in marriage to Elizabeth C. Barry on Wednesday, April 26th.

John R. Jefferies, formerly employed as gardener at the Philip Dexter estate, Gloucester, Mass., has accepted a similar position at East Milton.

Frank Coles, formerly with some of the leading florists of Boston, has entered the employ of Mrs. Woodward at the Flower Shop, Taunton, Mass.

#### PUBLICATION RECEIVED.

American Carnation Society—Proceedings of the 25th annual meeting, held in St. Louis, Mo., on January 26 and 27, 1916. A 92-page report that will measure up well with the preceding yearly issues. A portrait of President Joseph Hill, and full page illustrations of Crystal White, Nancy, Belle Washburn and Laura Weber carnations and of a retail display at St. Louis give pictorial spice to the book. The proceedings are reported verbatim.



## Sim's Hybrid Yellow Polyanthus

(Giant English Primrose)

GOLD MEDAL AWARDED AT PHILADELPHIA

This is the best selling novelty in years. They make charming pot plants for Easter and are indispensable for cutting. They bloom from December to May. Stock is limited. Strong divisions for May delivery.

Prices: 100 \$10.00, 500 \$35.00, 1000 \$50.00

**WILLIAM SIM,** CLIFTONDALE, MASS.

## CLUBS AND SOCIETIES

### NEW JERSEY FLORICULTURAL SOCIETY.

The regular monthly meeting was held April 18th in Mechanics Hall, Orange. Peter Duff, Jr., was elected to membership. An essay entitled "Estate Management and the College Graduate," by Morrell Smith, of New York, was read. Max Schneider received the following points on his exhibits: Sweet peas, 65; stocks, 95; carnations, 90; *Primula obconica grandiflora*, 85. The judges were Fritz Berglund, Emil Panuska and William Reid. GEO. W. STRANGE, Sec.

### CLUB AND SOCIETY NOTES.

B. Hammond Tracy, of Wenham, Mass., delivered a lecture on "Gladoli" at the regular monthly meeting of the Rhode Island Horticultural Society last week.

The Retail Florists' Association met last week to further discuss the details of the flower show to be held in Reading, Pa., Nov. 2-4. The location of the show has not as yet been decided upon. This committee is in charge of the arrangements: Fulmer Lauck, Clayton Butts, Philip Loundon, Jacob Bauder, Lee Arnold, Harry Heck and Stanley Giles.

The last lecture of the season was given before the Medford, Mass., Horticultural Society on the evening of April 25, by Wm. N. Craig of Brookline, Mass., on Outdoor Annuals and How to Grow Them Successfully. He spoke in a very entertaining manner for about an hour and by the number of people in the audience the writer observed taking notes, the practical information imparted will be made use of the coming season. At the close of his lecture Mr. Craig answered many questions on other matters of horticultural interest to his hearers. One of our amateurs said to me that such practical lecturers as Mr. Craig should be widely known in the cities and towns of our Metropolitan district, as it is just the kind of information a beginner is in need of and is so much

### Meetings Next Week

#### Monday, May 1.

Bethardsville Horticultural Society, Bethardsville, N. J.  
Elberon Horticultural Society, Fire Hall, Elberon, N. J.  
Houston Florist Club, Houston, Tex.  
Montreal Gardeners' and Florists' Club, Montreal, Canada.  
New Bedford Horticultural Society, New Bedford, Mass.  
Florists' Club of Washington, Washington, D. C.

#### Tuesday, May 2.

Lake Geneva Gardeners' and Foremen's Association, Lake Geneva, Wis.  
Los Angeles County Horticultural Society, Los Angeles, Calif.  
Paterson Floricultural Society, Paterson, N. J.  
Florists' Club of Philadelphia, Philadelphia, Pa.  
Pittsburgh Florists' and Gardeners' Club, Pittsburgh, Pa.  
State Florists' Association of Indiana, Anthony Hotel, Fort Wayne, Ind.

#### Wednesday, May 3.

Tuxedo Horticultural Society, Tuxedo Park, N. J.

#### Thursday, May 4.

Southampton Horticultural Society, Southampton, N. Y.

#### Friday, May 5.

North Shore Horticultural Society, Manchester, Mass.  
North Shore Horticultural Society, Lake Forest, Ill.  
Pasadena Horticultural Society, Pasadena, Calif.  
Yonkers Horticultural Society, Yonkers, N. Y.  
People's Park Cottage Gardeners' Association, Paterson, N. J.

#### Saturday, May 6.

Pacific Coast Horticultural Society

#### COMING EXHIBITIONS.

May 10, 14, Boston, May Show, Massachusetts Horticultural Society, Horticultural Hall.

better to get it first-handed than from books. Such remarks I think are encouraging to these gentlemen who so willingly give their valuable time and experience for the uplift of Horticulture.

GEORGE F. STEWART.

### T. J. NOLAN

The accompanying portrait is of T. J. Nolan, representative of the King Construction Co. of North Tono-



T. J. NOLAN.

wanda, N. Y. Mr. Nolan is well known among the florists and he made many additional friends at the recent Philadelphia National Flower Show, where the King Construction Co. had a very fine exhibit.

### NEW CORPORATIONS.

**Council Bluffs, Ia.**—Meneray Nurseries, capital stock, \$10,000. Incorporators, L. A., F. W. and A. O. Meneray.

**St. Paul, Minn.**—Northern Nurseries, capital stock, \$50,000. Incorporators, C. A. and E. W. Bazille and A. Sjöholm.

**Shelby, Tenn.**—Johnson Greenhouses, capital stock, \$10,000. Incorporators, O. C., W. C. and F. B. Johnson, H. M. Barfield and T. Hardaway.

**Manchester, N. H.**—Sheffield A. Arnold, a Boston landscape architect, has been engaged to make preliminary plans for the laying out of Walker Park.

## EVERY BOY AND GIRL SHOULD HAVE A HAMILTON WATERTITE RAINY DAY OUTFIT



WELL PREPARED FOR A RAINY DAY

Protect your **BOYS** and **GIRLS** with this Outfit. **RAINCOAT—CAP—SCHOOLBAG**

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Price Complete, \$4.75

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No Boy or Girl of School age should be without the protection of this splendid School Outfit, especially when it can be purchased complete for the very low price of \$4.75. The Caps and School Bags are made from the same materials as the Coats, and make this Rainy Day Outfit exceptionally attractive. The Black and White Shepard Check trimming on our Girl's Outfit is a very handsome and attractive addition, and makes this Outfit one that both Mother and Daughter will be proud of.

### THESE OUTFITS MADE FOR SERVICE AS WELL AS APPEARANCE

The Girl's Outfit is made from a high grade Navy Blue Gros Grain Poplin, in single texture with a substantial rubber coating, making it light in weight yet wind and rain proof. The Boy's Outfit is made from a strong durable material in the popular Olive shade, thoroughly waterproof, and reinforced with a serviceable plaid lining. All seams are reinforced, strapped, and cemented, and both the Boy's and Girl's Coats have ventilation eyelets under the arms.

#### Satisfaction Guaranteed or Money Refunded

We guarantee every Hamilton Watertite Raincoat to be exactly as represented, and if when it is received, it is not entirely satisfactory, it may be returned to us, and we will cheerfully refund the purchase price.

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Enclosed find \$4.75 for which send me one HAMILTON WATERTITE RAINY DAY OUTFIT, with the understanding that when it is received, if not entirely satisfactory, I may return it to you, and you will refund my money.

.....Girls' Outfit Size.....

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You run no risk in dealing with us, as our guarantee of satisfaction goes with every Coat.

All of our Women's and Men's Coats are made in the most stylish and up-to-date models, full Military Collars, Slashed Side Pockets, Sleeve Tabs, and Ventilation Eyelets under the arms.

#### A FEW OF OUR FACTORY SPECIALS:

- No. 111 Men's Double Texture Tan Bombazine..... \$5.75  
A very Serviceable Coat.
- No. 112 Women's Single Texture Gros Grain Poplin.. 5.75  
Comes in Navy Blue or Covert Tan.
- No. 113 Men's High Quality Mercerized Serge..... 8.75  
Double Texture Olive Drab Color—Plaid Lining.  
(See Illustration.)
- No. 114 Women's High Quality Mercerized Serge..... 8.75  
Single Texture Extreme Light Weight—Comes in Olive Drab or Oxford Gray.
- No. 115 Men's all Wool Cassimere—Double Texture.. 10.75  
Comes in Oxford Gray or Olive Drab.
- No. 116 Women's all Wool Cassimere—Single Texture 10.75  
Comes in Oxford Gray or Olive Drab.

SIZES: WOMEN AND MEN, 34 TO 46



G. L. HAMILTON & CO., Inc. 394 Atlantic Ave. BOSTON, MASS.

Style No. 113—One of Our Popular Men's Coats.

## SEED TRADE

Patty, Toronto.

...the fact that the seed trade is a very important one in the horticultural business. A committee representing the machinery and supplies association called on the seed trade at their headquarters.

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Let it be remembered that this is the glorious U. S. A. when all of us are guaranteed life, liberty and the pursuit of happiness. Think of what a Utopia when these fellows are in absolute control.

### Counter Trade.

Counter trade throughout the middle and New England states is still more or less unsatisfactory, due entirely to the weather. There have been some pleasant, fairly warm days during the past two or three weeks, but on the whole we have had very little of typical spring weather. Those who depend largely on counter trade are beginning to feel anxious as they realize it is getting late, and many believe that ground lost in spring sales is never wholly recovered. Undoubtedly spring will come, and in the very near future, but it will be so late that many items which would have been purchased early in the season had the weather been favorable, will now be passed up until another year. This is where the retail seedsmen lose much valuable business.

### About Beans.

While special offers of seeds are still being scattered broadcast by certain dealers, very few are offering the leading varieties of wax and green pod beans. We have noticed on one or two occasions that these surplus lists carried a large number of varieties which we do not believe could be purchased of the parties sending

...the fact that the seed trade is a very important one in the horticultural business. A committee representing the machinery and supplies association called on the seed trade at their headquarters. The committee representing the machinery and supplies association called on the seed trade at their headquarters. The committee representing the machinery and supplies association called on the seed trade at their headquarters. The committee representing the machinery and supplies association called on the seed trade at their headquarters.

### One Week's Imports.

Imports at the port of New York of horticultural material for the week ending April 14th, were recorded as follows:

Bulbs—Netherlands, \$2,401; England, \$268; Scotland, \$10; Bermuda, \$26; Hongkong, \$212.

Plants—France, \$526; Netherlands, \$18,243; England, \$1,529; Bermuda, \$170; Trinidad, \$6; Italy, \$55; Colombia, \$237; Venezuela, \$50.

Red clover seed—France, \$112,806; Italy, \$45,353.

Grass seed—France, \$757; Netherlands, \$396; England, \$1,715.

All other seeds—Denmark, \$1,983; France, \$4,665; Netherlands, \$622; England, \$5,215; Hongkong, \$19; Morocco, \$4,194.

Nitrate of soda—Chile, \$93,331.

Carbonate of potash—Chile, \$85.

Other fertilizers—England, \$4,453; Argentine, \$26,597.

### Notes.

Rochester, N. Y.—Mandeville & King are erecting a seed warehouse on University avenue.

Omaha, Neb.—The Nebraska Seed Company have increased their capital stock from \$50,000 to \$150,000.

Minneapolis, Minn.—The Farmer Seed & Nursery Co. of Faribault, Minn., have opened a branch store in this city.

Berkeley, Cal.—The Berkeley Seed & Plant Company, G. W. Wolters, proprietor, have opened a seed store at 1986 Shattuck ave.

We are informed that the business of W. Atlee Burpee has averaged well up with former years, and it is hoped will prove the banner year for this

## MICHELL'S Hardy Perennial Plants



A full line of standard as well as the newest varieties grown at our Nurseries at Andalusia, Pa. Of unusual vigor and fine quality. For complete list see our Wholesale Catalogue. Send for a copy if you haven't one.

### Michell's Seed House

518 Market Street, Philadelphia

## BEGONIA, Mariemont Bedder

Brilliant scarlet with reddish brown foliage. Best bedding variety grown. Packet, 25 cents. Catalogue upon application.

### THOMAS J. GREY COMPANY

Seedsmen

29 South Market St.

Boston, Mass.

well known house. So long as the present able management is in control there is little likelihood of any backward movement in this business.

### CATALOGUES RECEIVED.

D. Hill Nursery Co., Inc.—Wholesale Trade List of Evergreens, April 1, 1916.

Hjalmar Hartmann & Co., Copenhagen, Denmark—Danish Seeds. Cauliflower, cabbage, brussels sprouts, tomatoes, turnips, etc. Illustrated. Lochner & Co., New York, American agents.

Arthur De Meyer, Ghent, Belgium—Wholesale Trade List for 1916. An illustrated list of azaleas, palms and other nursery stock in the usual Belgian specialties. McHutchison & Co., New York are the American agents for this leading house.

**"Seeds with a Lineage" All Varieties**  
Thoroughly tested at our trial grounds, Raynes Park, London, England. Send for Catalogue

**CARTERS TESTED SEEDS, Inc.,** 166 Chamber of Commerce Bldg., Boston, Mass.

# PULVERIZED SHEEP MANURE

(PURITY BRAND)

We have a splendid lot of this excellent fertilizer on hand ready for immediate shipment

Price per ton, \$40; 1-2 ton, \$20; 500 lbs., \$10; 100 lbs., \$2.50

**R. & J. FARQUHAR & CO., BOSTON, MASS.**



## SEEDS for the FLORIST

**ASTERS** QUEEN of the MARKET.

The best extra early variety, large, double flowers, on long stems, in colors: Crimson, Dark Blue, Light Blue, Rose Peach Blossom, White.

Trade Packet, 20c., Oz., 75c.

Sweet Peas, Cyclamen, Primulas, Lily of the Valley, from Our Own Cold Storage Plant.

Our Trade List Mailed on Application.

**FOTTLER, FISKE, RAWSON CO., THE SEED STORE Faneuil Hall Square BOSTON**

## SEEDS--ONION SETS

Appreciation of a high order of Merit in Seeds and Seed Service leads naturally to purchasing from

**LEONARD SEED COMPANY**

**226-230 W. KINZIE ST., - - - CHICAGO**

## FORCING GLADIOLUS

All First Size Bulbs

	100	1000
America, pink .....	\$1.25	\$10.00
Augusta, white .....	1.35	11.00
Brenchleyensis, red .....	1.25	10.00
Francis King, scarlet.....	1.25	10.00

**A. HENDERSON & CO.**

911 W. State St. CHICAGO, ILL.

**Burpee's Seeds**  
PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES  
MAILED ONLY TO THOSE WHO PLANT  
FOR PROFIT

**W. E. MARSHALL & CO.**  
**SEEDS, PLANTS AND BULBS**  
Horticultural Sundries

166 W. 23rd St., NEW YORK

**LILIUM GIGANTEUM**  
COLD STORAGE

Extra Selected Stock. Gladiolus for forcing. Nansu, Colville or large flowering type. Greenhouse Fertilizers. Ask for 1916 Seed Catalogue.

Joseph Breck & Sons Corp., Seedsmen  
47-54 No. Market St., BOSTON, MASS.

## SWEET PEA SEED

Winter or Summer Spencer, only the best commercial varieties.

**ANT. C. ZVOLANEK**

SWEET PEA RANCH

**LOMPOC, CALIF.**

**KEYSTONE SNAPDRAGON**

Best Winter Flowering Pink Snapdragon on the market. Per pkt., \$1.00; 6 pkts. for \$5.00.

**S. S. SKIDELSKY & CO.**

PHILADELPHIA, PA.

**BURNETT BROTHERS**

Importers and Growers of

**SEEDS, BULBS, PLANTS, &c.**

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**Seedsmen, Nurserymen, Florists**

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**The Cloche Co.**

131 Hudson St., New York  
Department M.

*Thorburn's*

**TUBEROSES**

Dwarf Double Pearl

4½ to 6 inches

\$8.50 per 1000

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PENDLETON,  
HALLEY, Etc.

**Send to Childs**  
**John Lewis Childs, Inc.**

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WHOLESALE FIELD AND GARDEN SEEDS  
Established 1818

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Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Transfer Your Orders to

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Write or Phone to**MAX SCHLING**

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**WORCESTER, MASS.**

Randall's Flower Shop

HARRY L. RANDALL, Proprietor.

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**Of Interest to Retail Florists****NEW FLOWER STORES.**

Vincennes, Ind.—Paul C. Schultz.  
Watertown, S. D.—V. Christensen.  
South Broadway

Winona, Minn.—Winona Flower Co.,  
66 West 4th street

Fort Wayne, Ind.—Ed. Hanswirth,  
220 W. Berry street

Kansas City, Mo.—Fabian Flower  
Shop, 1715½ Central avenue

Rochester, N. Y.—New York Cut  
Flower Co., 76 E. Main street.

Beverly, Mass.—Beverly Flower  
Shop, Appleton Block, Cabot street

Philadelphia, Pa.—E. R. Martin, 1725  
Chestnut street, succeeding Vollers'  
House of Flowers.

**NEWS NOTES.**

Montreal, Que.—L. H. Goulet has  
purchased the business of the Cana-  
dian Floral Co.

Providence, R. I.—A wholesale flower  
store has been opened at 39 Clem-  
ence street by Olney H. Williams and  
John Burke.

Randolph, Mass.—Alfred Tucker had  
a patch of some 50,000 pansy plants  
practically destroyed by wild deer rac-  
ing through them one night last week.

Cincinnati—E. A. Fiske has the  
formal opening of his new store at 138  
W. 4th street on May first. He is mov-  
ing right into the shopping district and  
the move should prove a good one.

New York—The use of little flower  
baskets with glass or zinc holders, was  
very general in the high-class retail  
stores and this used up large quanti-  
ties of the miscellaneous flowers such  
as pansies, primulas of various species,  
ericas, calendulas, myosotis, centau-  
reas, mignonette, daisies, midget roses  
of many colors and a host of other  
things at one time known as "odds  
and ends," but now holding a place of  
much importance in the floral world  
commercially.

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4 Park St., Boston, Mass.

Because Satisfaction  
Is Guaranteed

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Flowers shipped on all Steamers. Special Correspond-  
ence in all the large cities of Europe and the British  
Colonies. Telegraph and Cable address Dardsflor.

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J. A. VALENTINE, Pres.

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**DENVER, COLORADO****JOHN BREITMEYER'S SONS**Cor. Broadway and Gratiot Aves.  
DETROIT, MICH.

Artistic Designs . . .  
High Grade Cut Blooms

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada.  
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**GUDE BROS. CO.**  
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**IN THE National Capital**

At your service to deliver Flowers  
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Reliable Service.

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The largest cut flower store in America.  
Orders for the TWIN CITIES and for all  
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tention.

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Prompt Auto Delivery  
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Deliveries to Steamers and all Eastern Ports

**CLEVELAND**  
**A. GRAHAM & SON**  
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Will take good care of your orders  
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**F. H. KRAMER**  
Auto delivery of Designs and Flowers to  
any address in Washington.  
Stock and Work First Class

Orders Filled Day or Night for  
**CLEVELAND**  
and State of Ohio  
Complete Stock. Regular discount to Trade.  
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**THE SMITH & FETTERS CO.**  
735 Euclid Avenue  
**CLEVELAND, OHIO**  
Flowers of, Every Kind in Season

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FLORISTS  
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FLORISTS  
Telephones 1501 and L 1532.  
1415 Farnum St.,  
**OMAHA, NEB.**

**S. A. ANDERSON**  
440 Main St., Buffalo, N. Y.  
ANDERSON service means fresh, sturdy  
stock and prompt deliveries in BUFFALO,  
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125,000 Sq. Ft. of Glass  
WORCESTER, MASS.

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Leading Retail Florists Listed by  
Towns for Ready Reference. Orders  
transferred by telegram or otherwise  
to any of the firms whose address is  
here given will be promptly and prop-  
erly filled and delivered.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl  
St.  
Albany, N. Y.—The Rosery, 23 Steuben  
St.  
Albany, N. Y.—William C. Gloeckner, 97  
State St.  
Boston—Thos. F. Galvin, 1 Park St.  
Boston—Penn the Florist, 37-43 Brem-  
field St.; 124 Tremont St.  
Boston—Zinn the Florist, 4 Park St.  
Buffalo, N. Y.—S. A. Anderson, 440 Main  
St.  
Buffalo, N. Y.—Palmer's, 304 Main St.  
Chicago—William J. Smyth, Michigan  
Ave. and 31st St.  
Cleveland, O.—J. M. Gasser Co., Euclid  
Ave.  
Cleveland, O.—Adam Graham & Sons,  
5523 Euclid Ave.  
Cleveland, O.—Knoble Bros., 1836 W. 25th  
St.  
Cleveland, O.—The Smith & Feters Co.,  
735 Euclid Ave.  
Denver, Col.—Park Floral Co., 1643  
Broadway.  
Detroit, Mich.—J. Breitmeyer's Sons,  
corner Broadway and Gratiot Ave.  
Houston, Tex.—Kerr, The Florist.  
Kansas City, Mo.—Samuel Murray, 1017  
Grand Ave.  
New London, Conn.—Reuter's.  
New York—David Clarke's Sons, 2139-  
2141 Broadway.  
New York—Alex. McConnell, 611 5th Ave.  
New York—Young & Nugent, 42 W. 28th.  
New York—Dards, N. B. corner 44th St.  
and Madison Ave.  
New York—Max Schling, 22 W. 59th St.  
New York—G. E. M. Stampp, 761 Fifth  
Ave.  
New York—Thos. F. Galvin, Fifth Ave.,  
at 46th St.  
New York—A. T. Bunyard, 413 Madison  
Ave., at 48th St.  
Norwich, Conn.—Reuter's.  
Omaha, Neb.—Hess & Swoboda, 1415  
Farnum St.  
Rochester, N. Y.—J. B. Keller Sons, 25  
Clinton Ave., N.  
Rochester, N. Y.—Salter Bros., 38 Main  
St., West.  
San Francisco—Pellicano, Rossi & Co., 123  
Kearny St.  
St. Louis, Mo.—Fred C. Weber, 4526-28  
Olive St.  
St. Paul, Minn.—Holm & Olson, Inc.  
Tarrytown-on-Hudson, N. Y.—F. R. Pier-  
son Co.  
Toronto, Can.—J. H. Dunlop, 8-10 West  
Adelaide St.  
Washington, D. C.—Gude Bros., 1214 F  
St.  
Washington, D. C.—F. H. Kramer, 915  
F St., N. W.  
Washington, D. C.—George H. Cooke,  
Connecticut Ave. and L St.  
Westerly, R. I.—Reuter's.  
Worcester, Mass.—H. F. A. Lange.  
Worcester, Mass.—Randall's Flower Shop,  
3 Pleasant St.

*Penn The Florist*

"The Telegraph Florist"

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124 Tremont St., BOSTON

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New London and Norwich, Conn.  
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New Haven and Providence

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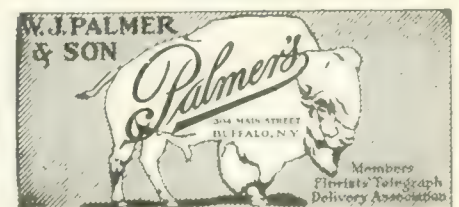
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**EYRES**  
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ON TELEGRAPHIC ORDER  
11 NORTH PEARL STREET, ALBANY, N. Y.



# NEWS ITEMS FROM EVERYWHERE

## PHILADELPHIA

Henry J. Heinz, spent a part of last week in New York.

## PITTSBURGH

George Porter, an employee of the McCallum Company, had his left eye removed and a cataract in the right eye reduced last Friday in St. Francis Hospital.

Pittsburgh's three big Easter flower shows eclipse those of any previous season. Each seems superlatively beautiful and is so distinctive in its way and unlike the others that comparisons are impossible.

Pittsburgh's three big Easter flower shows eclipse those of any previous season. Each seems superlatively beautiful and is so distinctive in its way and unlike the others that comparisons are impossible. Supt. Geo. W. Burke and his foremen, John W. Jones and James Moore, respectively of the Schenley and West Parks conservatories, are certainly most deserving of the congratulations which are showered upon them by the multitude of admiring visitors from both home and abroad. At Schenley Park, the Victoris Regia house is temporarily transformed into an enormous mound of lilies surrounded by water. The border line is of Queen Alexandra spiraea, and baby rambles here and there emphasizing the pure white of the dominating lilies. In the Nymphaea house are three mounds formed of blue, white and pink French hydrangeas respectively. In the rose house rambles, hybrid tea roses, Azalea mollis, boxes, hydrangeas and astilbes are charmingly arranged.

A brilliant Holland garden now occupies the west wing of the Economic house. In the midst of the garden is a thatched Dutch house surrounded by double daffodils and five elevated circular mounds of narcissus. This end is backed up with flowering shrubs, iris, columbine, etc. The south wing of the Economic house forms the Children's garden. The garden itself includes four beds of pansies, baby rambler roses, lilies and herbaceous plants and shrubs. In the west end of the building is a fine display of Brazilian caladiums, dendrobiums, gloxinias, etc. Cinerarias predominate in the south wing. The azalea house too, is a mass of bloom.

As usual, the educational feature of the West Park show shows an unkempt house and grounds on one side, while on the other is a remodelled place. The rose house is charmingly trellised and arched with rambler roses. The French hydrangea display is given variety by tall plants of Nicotiana glauca, and an elevated center of genistas.

The most distinctive show room of the Heinz conservatory forms a sunken garden of great beauty, the extreme background showing small cherry and apple trees, rhododendrons, lilies, spiraea and azaleas. Flowing down the sides is a waterfall ending in a charming pond.

## CHICAGO.

Shakespeare's statue in Lincoln Park was the resting place of a large number of wreaths, bouquets and pot-

ten plants on the day of the gift of Shakespeare's statue and wreaths.

The flower sale for the destitute crippled children, which took place on the day before Easter, netted that worthy cause eight thousand dollars.

Ed. Hanswirth, for many years in the florists' business in Chicago and lately employed in the wholesale market, has again embarked in business for himself at Fort Wayne, Indiana.

The extremely small roses are in great favor this season. As a leading wholesaler said, extremely large or the tiniest of the small roses, are the fancy of the moment. Of the latter the little Sweetheart rose in pink is having a great run, the result of the size, color and name combination, and its companion in yellow, the Mrs. George Elgar is very popular. Made up in the small colonial corsage bouquets or used alone they are dainty and beautiful, but require skillful handling.

Early last Saturday morning the store of the George Wittbold Co., was entered by way of the basement, by three burglars who tried by brutal treatment to force the night watchman, John Popescu, to turn over the money. He refused and was beaten almost into insensibility and left bound in the basement. The robbers left without getting any plunder and Popescu worked himself loose and went to notify Louis Wittbold. No trace of the robbers has been found. The watchman was taken to the Alexian hospital where he was found to be severely injured. The firm has been doing a big business all the Easter week and a thousand dollars was in the safe.

## BOSTON.

John J. Curley of Roxbury is one of the jury in the Cohen murder trial in the Superior Criminal Court.

Henry M. Robinson starts for the South the latter part of this week on his annual trip for ferns and galax. Mr. Robinson will be gone for about a month.

A very interesting collection of plants and flowers mentioned in Shakespeare's plays, made by Mr. Thomas T. Watt, was on exhibition at the Shakespeare Tercentennial exercises held at Wellesley College, April 22. They were la-

FLOWERS BY TELEGRAPH  
**SAN FRANCISCO**  
CALIFORNIA  
**Pelicano, Rossi & Co.**  
129 KEARNY ST.

**F. R. PIERSON CO.**  
FLORISTS AND  
PLANTSMEN

TARRYTOWN-ON-HUDSON, - N. Y.

**HIGH GRADE PLANTS**  
For Retail Stores a Specialty

ASK FOR LIST

THOMAS ROLAND, Nahant, Mass.

**NEW CROP FERNS**

Fancy, \$1.35 per 1000  
Dagger, 1.15 " "

Send price on regular orders for quantity shipments.

CALDWELL THE WOODSMAN CO.  
Evergreen, Ala.

# SOLD OUT?

**OF COURSE**, if you stocked up before Easter with **BAYERSDORFER QUALITY Goods**. But we are all ready for you again with After Easter Supplies.

Baskets in Wonderful Variety of Shape and Tint, Brazilian Willow Baskets, Porto Rican Mats, Silk Fibre Ribbon, Japanese Novelties in Decorative Material, Memorial Day Staples, etc., etc.

*Send for Silent Salesman's Supplement*

**THE FLORISTS' SUPPLY HOUSE OF AMERICA**

**H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.**

beled with the quotations from the plays.

If we are to judge by the various reports made by the retailers and wholesalers Easter of 1916 was a highly successful one. The one sad feature of the affair was the heavy rain of Saturday and this alone prevented many from breaking all former records for business. Violets, owing to the late date of the festival, were scarce and of a poor quality so the public must needs look elsewhere for a substitute. Sweet peas, according to what Henry Penn says filled the gap most admirably. Julius Zinn states that bulb stocks were much in demand, and Mr. Slattery of Galvin's reports an unprecedented sale of pot roses. The Boston Cut Flower Store cleaned out on nearly everything and Mr. Rosenthal, or rather Mrs. Rosenthal—said that the only regret to be registered was the poor weather on Saturday which prevented many buyers from coming out.

With the wholesalers all went well. P. Welch and Welch Bros. both report a tremendous shipping trade on Wednesday and Thursday, for lily plants especially. The H. M. Robinson Co. worked all day and half through the night from the first day of the week till the last, in getting their orders out. B. A. Snyder claims a clean sweep. McAlpine & McDonald, handled double the quantity of lily of the valley and lilies they did last year. Wm. Molloy, manager for the Budlong Rose Co., states that 90,000 roses would be a conservative estimate for their week's sales. A marked preference for Scott Key and Hadley was shown by purchasers and consequently a shortage of these varieties resulted—as we predicted last week. The Polyanthus primrose was eagerly bought up. Evidently it has come to stay as an Easter

favorite. It is safe to say that the florists of Boston never had a more prosperous Easter.

## NEW YORK.

J. H. Small & Sons remove on May 1 from the store which they have occupied on Broadway for twenty-five years to a new and very desirable location at 505 Madison avenue, corner 52nd street.

By mutual consent, the firm of Henshaw & Fenrich will dissolve April 29th. Joseph S. Fenrich will do business under his own name at 51 W. 28th street, and A. M. Henshaw will operate the Henshaw Floral Co. at 127 W. 28th street.

Anglin & Walsh Co., who recently established their office at 335 Broadway, will remove on May 1 to Williamsbridge where they will have business facilities and room not available in a downtown office. Fine callas and freesias are leading specialties with this firm by whom many of the large dealers are supplied with these goods in quantity.

With the smaller growers of plants for the cheap markets the Easter result was not very pleasing. Saturday morning saw a long line of them at Union Square standing in the cold drizzling rain waiting for buyers who did not materialize. What eventually became of the tens of thousands of geraniums, lilies, azaleas, hyacinths, genistas, pansies and daisies which turned Union Square into a vast kaleidoscope of color on that inclement morning, we know not.

In May, 1915, McHutchison & Co., purchased the building at 95 Chambers street, and running through to 77 Reade street—a full block long. The building consists of five floors and

basement and sub-basement. They will occupy the full first floor on May 1st—27 by 150 feet. Since they commenced business fifteen years ago McHutchison & Co. have moved four times, and each time have doubled the space occupied. We shall not be surprised if in due time the entire building on Chambers street is required to accommodate the business of this hustling concern.

## WASHINGTON.

Pink and yellow snapdragon is in the favor among society for use in high-grade dinner and like decorations.

Leo Geier, who is employed at the store of Gude Bros. Co., met with the loss of his father, Bernard J. Geier, last week.

John Robertson, Dewey Strong and Milton Robertson, three employees of Fred H. Kramer, all colored, received treatment at the Freedmans Hospital last week following a collision with an electric light pole by the wagon in which they were riding when the horses ran away with them.

Following a custom inaugurated shortly after they first entered into business, Gude Bros. Co. threw open the doors of their greenhouses in Anacostia to the public on Palm Sunday. Hundreds of visitors took advantage of the firm's invitation, the attendance being greater than ever before.

A bill has been introduced which would make it unlawful for any person to labor or to employ any person to labor or to pursue any trade or worldly business on Sunday, except in works of necessity or charity, newspaper publishers, public service corporations, and also persons who are accustomed to observe regularly some other day of the week on which they refrain from doing what in the bill is prohibited on Sunday.

## A Florist's Necessity **HART'S HANDY HANDLE**

Fits securely on any standard pot and by the use of a little chiffon or ribbon gives you a Basket effect at a very small additional expense, increasing the price of your plants 100 per cent.

1	12 inches high, \$2.50 per doz.	4	24 inches high, \$5.00 per doz.
2	15 " " 3.50 " "	5	30 " " 6.50 " "
3	18 " " 4.00 " "	6	36 " " 9.00 " "

At Your Dealer's or Direct.

**GEO.B. HART, Manufacturer, 24 to 30 Stone Street, Rochester, N Y.**

## Our Prices Will Interest YOU!

When in need of  
**BEAUTIES**

Send your orders to  
**THE LEO NIESSEN CO.**

Wholesale Florists  
1201-05 Race Street, PHILADELPHIA, PA.

## EDWARD REID WHOLESALE FLORIST

1619 - 21 Ranstead St., Philadelphia, Pa.  
CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES  
and all Seasonable Varieties of Cut Flowers

## REED & KELLER Florists' Supplies

We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Decorative Glassware, Growers and  
Florists' Requisites

## Wired Toothpicks

Manufactured by  
**W. J. COWEE, Berlin, N. Y.**  
10,000...\$1.55. 50,000...\$8.00. Sample free.  
For sale by dealers.

## E. G. HILL CO.

Wholesale Florists  
**RIEHOOND, IND.**

Please mention Horticulture when writing.

## MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS  
Consignments Solicited

Hardy Fancy Fern Our Specialty  
264 RANDOLPH ST., DETROIT, MICH.

Telephone 3860 Madison Square

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WHOLESALE

Plantmen and Florists  
37 and 39 West 28th St., NEW YORK



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Tell Them You Did So And  
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## POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around  
**72-74 EAST RANDOLPH ST., - - - CHICAGO.**

If interested, send us your name and address for our weekly price list

## WELCH BROS. CO. Wholesale Cut Flower Market

Daily consignments from leading growers Full line of Florists' Supplies Write for quotations before ordering elsewhere

**226 DEVONSHIRE ST., BOSTON, MASS.**  
Telephone, Main 6267-6268

## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON April 27		ST. LOUIS April 17		PHILA. April 24	
<b>Roses</b>						
Am. Beauty, Special	\$0.00	to 25.00	25.00	to 40.00	\$0.00	to 30.00
" " Fancy and Extra	1.00	to 20.00	20.00	to 30.00	10.00	to 20.00
" " No. 1	4.00	to 8.00	8.00	to 10.00	4.00	to 8.00
Russell, Hadley	4.00	to 12.00	8.00	to 10.00	6.00	to 10.00
Killarney, Richmond, Hillingdon, Ward, Extra	4.00	to 6.00	6.00	to 8.00	8.00	to 10.00
" " Ordinary	2.00	to 4.00	2.00	to 4.00	3.00	to 6.00
Arenburg, Radiance, Taft, Key, Extra	4.00	to 6.00	4.00	to 6.00	8.00	to 10.00
" " Ordinary	3.00	to 4.00	3.00	to 4.00	3.00	to 6.00
Ophelia, Mock, Sunburst, Extra	4.00	to 8.00	8.00	to 10.00	8.00	to 10.00
" " Ordinary	3.00	to 4.00	4.00	to 5.00	3.00	to 6.00
Carnations, Fancy	2.00	to 3.00	3.00	to 4.00	3.00	to 4.00
" " Ordinary	1.50	to 2.00	.75	to 1.00	2.00	to 3.00
Cattleya	35.00	to 50.00	50.00	to 60.00	50.00	to 75.00
Dendrobium formosum	10.00	to 15.00	10.00	to 15.00	10.00	to 15.00
Lilac, Longiflorum	6.00	to 8.00	10.00	to 15.00	8.00	to 10.00
" " Rubrum	8.00	to 10.00	10.00	to 15.00	8.00	to 10.00
Callas	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Lily of the Valley	1.00	to 3.00	1.00	to 3.00	1.00	to 3.00
Delais	1.00	to 3.00	1.00	to 3.00	1.00	to 3.00
Violets	.40	to .50	.20	to .30	.30	to .75
Mignonette	2.00	to 3.00	3.00	to 5.00	2.00	to 4.00
Scabiosa	4.00	to 12.00	2.00	to 3.00	3.00	to 12.50
Daffodils	1.50	to 2.50	2.00	to 3.00	2.00	to 3.00
Gladioli	8.00	to 12.00	3.00	to 5.00	5.00	to 6.00
Tulips	2.00	to 3.00	3.00	to 4.00	2.00	to 3.00
Hyacinths	2.00	to 3.00	3.00	to 4.00	2.00	to 3.00
Freesia	1.00	to 1.50	2.00	to 3.00	1.00	to 2.00
Calendulas	1.00	to 3.00	2.00	to 3.00	2.00	to 3.00
Lilac (per bunch)	.85	to 1.00	.20	to .50	.35	to 1.00
Sweet Peas	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Gardenias	20.00	to 35.00	1.00	to 1.50	3.00	to 20.00
Adiantum	1.00	to 2.00	1.00	to 1.50	1.00	to 1.50
Smilax	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Asparagus Plumosus, & Spruce (100 Bds.)	25.00	to 35.00	30.00	to 40.00	25.00	to 35.00

## WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - - BUFFALO, N. Y.

## J. A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and  
CARNATIONS  
A Specialty

WHOLESALE  
GROWER of

CUT FLOWERS

## Flower Market Reports

**BOSTON** Easter week was a lively time for the plant growers, who found ready buyers for all they had to offer and on some lines could have done much more if they had the goods to supply. As a rule the stock was of very high quality and the variety was greater probably than on any former occasion. Lilies were well sold out but at prices considerably below earlier quotations. In plant form they cleaned up very well in the stores but in cut form they dragged badly and many were left over unsold. Another flower which was seemingly overdone was the English primrose, of which quite a lot of cut blooms were still in wholesalers' hands when Monday morning came. The flower shipping trade was excellent from Wednesday until Friday, when it practically stopped and material that came in on Friday and Saturday fared rather badly as much of it had been held back contrary to the advice of the wholesale dealers and the weather on Saturday was not conducive to good business. The retailers bought cautiously and Saturday midnight found considerable stuff unsalable at any price. Thursday was a banner day and the market was full of life. Lily of the valley was in light supply all through and was a quick seller. Violets also fared well, but carnations had quite a slump and on Saturday the rose market also fell off. Red roses, however, sold all right at any time. Bulbous stock was limited in quantity. Sweet peas made a good record. Smilax was and still is very scarce. Although quiet as compared with last week some brisk trading is being done this week. The carnation supply is shortening up and prices are beginning to advance. Roses, while not so limited in supply, are not too plentiful and just about meet the demand. Sweet peas are bringing average prices. Violets are no longer to be had at any price. Spanish irises are being purchased largely, especially the longer stemmed blooms, some of which are nearly three feet in length. Gardenias are stationary. Calendulas are lying uncalled for on many shelves. Primroses are now scarce. The general condition of this week's market may be summed up by saying that demand and supply are pretty well balanced.

This has been a busy **CHICAGO** Easter and the trade generally is quite ready to stop and take breath. From the time shipping began on Wednesday till the last order was taken care of on Easter Sunday the wholesalers were on the jump. Local trade came in strong as the week neared the end and stock poured in in an unceasing stream. Of all kinds that go to make up a normal late Easter supply there was much, but of lilies there was more than enough. There seemed to be no end to the cut lilies and the stems were all the way from short to long and prices covered a good range. It was, however, not a question of price. There were simply more lilies than the market could use. Of the flowers in short supply at the week end sweet peas proved to be the chief. The supply was large and a shortage had not been looked for, but the demand was so great that many wholesalers could not fill their last orders. There were



## AMERICAN BEAUTIES

Fine large well colored buds,  
in quantity, all lengths

	Per 100
Special .....	\$35.00
Fancy .....	30.00
Extra .....	25.00
First .....	15.00
Second .....	10.00

### S. S. Pennock-Meehan Co.

The Wholesale Florists of Philadelphia

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1608-1620 Ludlow St.	117 W. 28th St.
BALTIMORE	WASHINGTON
Franklin & St. Paul Sts.	1216 H St., N. W.

## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI April 17		CHICAGO April 24		BUFFALO April 24		PITTSBURG April 20	
<b>Roses</b>								
Am. Beauty, Special.....	35.00	to 40.00	30.00	to 40.00	35.00	to 40.00	25.00	to 35.00
" " Fancy and Extra.....	20.00	to 35.00	20.00	to 30.00	25.00	to 35.00	28.00	to 30.00
" " No. 1.....	10.00	to 20.00	10.00	to 15.00	10.00	to 12.00	10.00	to 15.00
Russell, Hadley.....	8.00	to 15.00	6.00	to 25.00	.....	to 10.00	4.00	to 15.00
Killarney, Richm'd, Hill'don, Ward	8.00	to 12.00	8.00	to 10.00	8.00	to 10.00	6.00	to 10.00
Ord.....	4.00	to 6.00	3.00	to 6.00	4.00	to 6.00	.....	to 4.00
Arenburg, Radiance, Taft, Key, Ex.	8.00	to 12.00	8.00	to 10.00	8.00	to 10.00	6.00	to 10.00
Ord.....	4.00	to 6.00	3.00	to 5.00	5.00	to 6.00	.....	to 4.00
Ophelia, Mock, Sunburst, Extra...	8.00	to 12.00	8.00	to 12.00	8.00	to 10.00	8.00	to 12.00
Ordinary.....	4.00	to 6.00	3.00	to 6.00	4.00	to 6.00	.....	to 4.00
<b>Carnations, Fancy.....</b>	3.00	to 4.00	2.00	to 3.00	2.50	to 3.00	.....	to 3.00
Ordinary.....	.....	to 2.00	1.00	to 2.00	1.50	to 2.00	1.50	to 2.00
<b>Cattleyas.....</b>	40.00	to 50.00	40.00	to 50.00	40.00	to 50.00	40.00	to 50.00
<b>Dendrobium formosum.....</b>	.....	to .....	.....	to .....	.....	to .....	.....	to .....
<b>Lilies, Longiflorum.....</b>	10.00	to 12.00	4.00	to 10.00	10.00	to 12.00	5.00	to 10.00
Rubrum.....	.....	to .....	.....	to .....	4.00	to 6.00	.....	to .....
<b>Callas.....</b>	8.00	to 12.00	6.00	to 12.00	8.00	to 12.00	6.00	to 10.00
<b>Lily of the Valley.....</b>	4.00	to 5.00	3.00	to 4.00	4.00	to 5.00	3.00	to 6.00
<b>Daisies.....</b>	.50	to .75	1.00	to 1.25	1.00	to 1.50	1.50	to 3.00
<b>Violets.....</b>	.35	to .50	.....	to .....	.40	to .50	.10	to .50
<b>Mignonette.....</b>	.....	to .....	3.00	to 6.00	3.00	to 5.00	4.00	to 6.00
<b>Snapdragon.....</b>	6.00	to 15.00	8.00	to 12.00	6.00	to 10.00	8.00	to 12.00
<b>Daffodils.....</b>	1.00	to 3.00	.....	to 2.00	8.00	to 3.00	2.00	to 4.00
<b>Gladioli.....</b>	.....	to .....	.....	to .....	.....	to .....	.....	to .....
<b>Tulips.....</b>	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00	2.00	to 4.00
<b>Hyacinths.....</b>	5.00	to 5.00	.....	to 2.00	2.00	to 3.00	.....	to .....
<b>Freesia.....</b>	1.00	to 2.00	.....	to .....	2.50	to 3.00	.....	to .....
<b>Calendulas.....</b>	2.00	to 3.00	.....	to 2.00	.....	to 3.00	2.00	to 3.00
<b>Lilac (per bunch).....</b>	.....	to 1.00	.25	to .50	.....	to 1.50	.....	to .....
<b>Sweet Peas.....</b>	.50	to 1.00	2.00	to 3.00	.50	to 2.00	.50	to 1.00
<b>Gardenias.....</b>	.....	to .....	.....	to .....	25.00	to 30.00	.....	to .....
<b>Adiantum.....</b>	.....	to 1.00	.....	to 1.00	1.00	to 1.25	1.00	to 1.25
<b>Smilax.....</b>	15.00	to 20.00	18.00	to 15.00	.....	to 15.00	15.00	to 20.00
<b>Asparagus Plu. &amp; Spren. (100 Bbs.)</b>	25.00	to 30.00	25.00	to 50.00	40.00	to 60.00	15.00	to 25.00

no violets, which tended to make peas move still faster. The supply of roses was very large but all good stock cleaned up at good prices while poor stock probably sold for all that it was really worth. Spanish iris in yellow, purple and white were quite plentiful and calendulas of large size and good color sold well. Lilacs of the choice as well as the common varieties met with ready sale up to a certain amount. The day after Easter was not as quiet as that day frequently is but good stock moved showing retailers had disposed of their Easter supply. The plant trade was certainly good and Easter emptied up many greenhouses in a way that made one wonder what would become of the cut flower business. Even those retailers who placed heavy advance orders added to them repeatedly up to Saturday afternoon and even on Sunday morning deliveries were made. Lily plants were mostly short-stemmed. Azaleas, rhododendrons, spirea and roses were the principal other plants and to this stock was added hyacinths, narcissus and tulips in pans and pots. The late Easter was no detriment to the plant trade in general though there was more or less stock too far open.

Easter business was very good. The early part of the business dragged somewhat but at the end on Saturday the local buyers took up nearly everything in the market. Prices were fair. The cut of lilies was excellent and the largest we ever have had for Easter. At the close of business quite a few were left over. Roses and carnations cleaned up very readily. Roses dragged somewhat at first but cleaned up nicely toward the end of the business. Narcissus poeticus were plentiful and proved good property but other bulbous stock was rather scarce. Sweet peas met with a good demand and more would have been used had they been forthcoming. Other offerings that sold well included snapdragon, callas, lily of the valley and violets. The plant business was good. Blooming plants naturally had the call but the foliage plant, too, met with a pretty fair demand.

As a general statement it may be fairly said that New York's Easter was a splendid success for the florist trade. There were, of course, a

(Continued on page 611)

**H. E. FROMENT**  
Wholesale Commission Florist  
Choice Cut Flowers  
New Address, 143 West 21st St., NEW YORK  
Telephones: 2200, 2201, Madison Square.

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Call and inspect the Best Establishment  
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Ferns, Mosses, Wild Smilax, Galax,  
Leucothoe, Palmette, Cycas, both fresh  
cut and prepared.  
Saxifrage, Hemlock, all Decorative Evergreens.  
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Brooklyn's Foremost and Best  
WHOLESALE COMMISSION HOUSE  
A First Class Market for all CUT FLOWERS  
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FINE ROSES, FANCY CARNATIONS  
A Full Line of ALL CUT FLOWERS.  
Telephone 3870 Farragut.

**GEORGE B. HART**  
WHOLESALE FLORIST  
24 Stone St., Rochester, N. Y.  
Regular Shipments Wanted of  
Pansies and Violets  
I have a good market for them.

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55 and 57 West 26th St. NEW YORK

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WHOLESALE COMMISSION FLORIST SELLING AGENT FOR  
LARGEST GROWERS  
A full line of Choice Cut Flower Stock for all purposes  
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**ALBANY CUT FLOWER EXCHANGE**  
THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.  
WHOLESALE ONLY  
SAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US —  
Prices Right. Consignments Solicited. Telephone Connection

HEADQUARTERS FOR NOVELTIES  
**ORCHIDS A SPECIALTY**  
THE HIGHEST GRADE OF VALLEY ALWAYS  
GARDENIAS, DAISIES, ROSES, CARNATIONS ON HAND  
JAMES McMANUS, TELEPHONE 105 W. 28th St., New York  
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Centrally Located, The Hub of the Flower Market Section  
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Telephone 7062 Madison

**BADGLEY & BISHOP, Inc.**  
WHOLESALE FLORISTS, 34 West 28th St., New York  
Telephones 1664  
1665 Madison Square CONSIGNMENTS SOLICITED

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Apr. 22 1916		First Half of Week beginning Apr. 24 1916	
American Beauty, Special	21.00	to 40.00	20.00	to 35.00
" " Fancy and Extra	10.00	to 20.00	10.00	to 20.00
" " No. 1	3.00	to 8.00	3.00	to 6.00
Russell, Hadley	6.00	to 40.00	6.00	to 35.00
Killarney, Richmond, Hillingdon, Ward, Extra	4.00	to 6.00	4.00	to 6.00
" " Ordinary	2.00	to 4.00	2.00	to 3.00
Arenburg, Radiance, Taft, Key, Extra	6.00	to 12.00	6.00	to 8.00
" " Ordinary	2.00	to 4.00	2.00	to 4.00
Ophelia, Mock, Sunburst, Extra	6.00	to 20.00	6.00	to 10.00
" " Ordinary	2.00	to 6.00	2.00	to 6.00
Carnations, Fancy	3.00	to 1.00	1.50	to 2.00
" " Ordinary	2.00	to 3.00	1.00	to 1.50

**WALTER F. SHERIDAN**  
Wholesale Commission Dealer in  
**CHOICE CUT FLOWERS**  
133 West 28th Street, New York  
Telephone—5532-5533 Madison Square

Frank H. Traendly Charles Schenck  
**TRAENDLY & SCHENCK**  
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Consignments Solicited

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FLORISTS  
*A. Young & Co.*  
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Consignments Solicited

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Incorporated  
Wholesale Commission Florists  
Orchids, Gardenias and Many Unusual  
Flowers of Quality.  
114 West 28th Street  
NEW YORK

**HENRY M. ROBINSON CO. OF NEW YORK**  
WHOLESALE FLORISTS  
55-57 West 26th Street  
Telephones, 13—8510 Madison Square  
MAURICE L. GLASS, Treasurer  
Consignments Solicited

## Flower Market Reports

(Continued from page 609)

few hitches here and there and an occasional development which did not meet with universal approval but perhaps there were fewer of these than for many years back. There was nothing that could be really designated as a "slump" although lilies were somewhat overdone in quantity and prices ran lower on all sides than had been contemplated in advance, and snapdragons were badly turned down by the buyers. Just why this lovely flower got such a knockout here does not plainly appear. The quality of much of the stock offered was very fine and in other markets we understand it sold very well. But New York does unaccountable things sometimes. Swainsona was also badly in the discard. Carnations did not fare as well as the growers hoped for. The fact is that there were a good many shipments into the market which carried the symptoms of senility. On the day after Easter there were a good number of Enchantress carnations left unsold and in such condition that had they been sold would have done the divine flower no good among the flower buyers. Roses pulled through all right but they were abundant and any attempt to inflate prices would have probably resulted in disaster. A distinct preference for the newer varieties of roses was noticeable. Ophelia and Hadley stood in the front rank of preference and realized prices nearly double those obtainable for the older kinds. Bulbous stock was not overplentiful and the tulips and narcissi of various species sold out rapidly at standard prices. Lily of the valley took an amazing jump to the values of a quarter century or more ago, sales at \$10.00 per 100, and quotations at \$12.00 to \$15.00 being registered. Most of the stores had engaged their stock in advance, however, at a standard price of \$50.00 per 1000. The situation was much relieved by the appearance in Phil Kessler's hands of a lot of "frame valley" of fine quality, the first cut of the season, at \$4.00 per 100—a record

(Continued on page 612)

## HERMAN WEISS

Wholesale Florist

Experienced, Progressive and can handle shipments of growers' product satisfactorily.

106 West 28th St., NEW YORK  
Tel. Farragut 3066.

Established 1888

Tel. 551 Farragut

## GUNTHER BROS.

Wholesale Commission Florists

110 West 28th St., New York  
We Solicit Consignments of New England Grown Novelties.

## RIEDEL & MEYER, Inc.

Wholesale Commission

READY FOR BUSINESS

49 WEST 28th ST. NEW YORK.

## We are WHOLESAL FLORISTS

We handle every variety of cut flowers. We have 22 years' experience behind us, and we do not expect a gold medal for doing our full duty by our consignors and customers. You cannot go very far wrong when dealing with us.

## GUTTMAN & RAYNOR, Inc.

101 West 28th Street, NEW YORK

Phones 2036, 2037, 558 Farragut

## PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

TELEPHONE MAIN 2698

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M.

## NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Apr. 22 1916		First Half of Week beginning Apr. 24 1916	
Cattleyas.....	100.00	to 200.00	25.00	to 75.00
Dendrobium formosum.....	20.00	to 35.00	20.00	to 35.00
Lilies, Longiflorum.....	4.00	to 8.00	4.00	to 6.00
"    Rubrum.....	.....	.....	.....	.....
Callas.....	6.00	to 8.00	4.00	to 8.00
Lily of the Valley.....	4.00	to 10.00	4.00	to 5.00
Daisies.....	.50	to 2.00	.50	to 1.00
Violets.....	.50	to .75	.40	to .60
Mignonette.....	2.00	to 6.00	2.00	to 6.00
Snapdragon.....	3.00	to 8.00	3.00	to 8.00
Daffodils.....	2.00	to 3.00	2.00	to 3.00
Gladiali.....	6.00	to 8.00	6.00	to 8.00
Tulips.....	2.00	to 3.00	2.00	to 3.00
Hyacinths.....	2.00	to 3.00	1.00	to 2.00
Freesia.....	1.00	to 2.00	.50	to 2.00
Calendulas.....	1.00	to 2.00	1.00	to 2.00
Lilac (per bunch).....	.25	to .50	.25	to .50
Sweet Peas.....	.25	to 1.00	.25	to 1.00
Gardenias.....	8.00	to 15.00	8.00	to 15.00
Adiantum.....	.50	to 1.00	.50	to 1.00
Smilax.....	8.00	to 20.00	8.00	to 20.00
Asparagus Plumosus, & Spreng. (100 bunches).....	15.00	to 25.00	15.00	to 35.00

## Are You Dissatisfied?

I have an unlimited market for your flowers, any variety, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty-eight years in the Cut Flower Commission Business.

Write for information or call and talk it over.

Telephone 167 & 3058 Farragut **J. K. ALLEN** 118 West 28th Street  
NEW YORK

## New England Florist Supply Co.

**SPECIAL**—10 BARREL BALE Sphagnum Moss, \$3.50  
276 Devonshire Street, BOSTON, MASS.

Fort Hill, 3469  
TELEPHONES: Main, 4789 W

Open 6 a. m. to 7 p. m.

## HEADQUARTERS

For High-Class Roses

Full line of BULBOUS STOCK, BOURBONDIAS, SWEET PEAS and other Seasonable Flowers.

## J. J. COAN

115 WEST 28TH STREET, NEW YORK  
Tel., Farragut 5413-5891

CONSIGNMENTS SOLICITED

## UNITED CUT FLOWER CO., INC.

Flowers Sold on Commission  
Consignments of  
Good Stock Solicited

PERCY W. RICHTER, Mgr., NEW YORK  
111 W. 28th Street

When writing to advertisers kindly mention HORTICULTURE.

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. Dyer & Co., 100 South St., Boston.  
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## APHINE

Aphine Mfg. Co., Madison, N. J.  
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## APHIS PINK

Neptune Mfg. Co., St. Louis, Mo.  
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## ASPARAGUS

Asparagus Plumose Seedlings, \$5.00 per 1000. Ready May 1st. COLLINGDALE GREENHOUSES, Collingdale, Pa.

## AUCTION SALES

The MacNiff Horticultural Co., New York City.  
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Elliot Auction Co., New York City.  
Plant Auctioneers.  
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## AZALEAS

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A. Hans, Woburn, Mass.  
K. J. Kuak, Ghent, Belgium.  
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## BASKETS

H. Bayersdorfer & Co., Philadelphia, Pa.  
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## BAY TREES

BAY TREES. Write for wholesale price list.  
JULIUS ROEHRS CO., Rutherford, N. J.

## BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.  
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R. Vincent, Jr. & Sons Co., White Marsh, Md.  
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## BEGONIAS

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Thomas J. Grey Co., 29 So. Market St., Boston, Mass.

Begonia, Marlemont Bedder.  
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## BEGONIAS

Delivery from May 15th.  
Lorraine, 2 1/2 in. pots, \$12.00 per 100; Cincinnati, 2 1/2 in. pots, \$15.00 per 100; Mrs. J. A. Peterson (New), 2 1/2 in. pots, \$25.00 per 100; \$200.00 per 1000.  
JULIUS ROEHRS CO., Rutherford, N. J.

## BOILERS

Kroeschell Bros. Co., Chicago.  
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King Construction Co., North Tonawanda, N. Y.

"King Ideal" Boiler.  
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Lord & Burnham Co., New York City.  
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Hitchings & Co., New York City.

## BONES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.  
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Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

## BOX TREES

BOX TREES—Standards, Pyramids and Bush. Price list on demand.  
JULIUS ROEHRS CO., Rutherford, N. J.

## BULBS AND TUBERS

Hogewoning & Sons, Rye Brook, Ill., and 32 Broadway, New York City.  
Tuberous Rooted Begonias.

Arthur T. Boddington Co., Inc., New York City.  
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J. M. Thorburn & Co., New York City.  
Tuberous.  
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Ralph M. Ward & Co., New York City.  
Lily Bulbs.  
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Gladioli.  
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August Rolker & Sons, New York City.  
Forcing Bulbs and Plants.  
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Chas. Schwake & Co., New York City.  
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Fottler, Fiske, Rawson Co., Boston, Mass.  
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C. KEUR & SONS, HILLEGOM, Holland.  
Bulbs of all descriptions. Write for prices.  
NEW YORK Branch, 8-10 Bridge St.

## CALADIUMS

Arthur T. Boddington Co., Inc., New York City.

## CANNAS

Arthur T. Boddington Co., Inc., New York City.  
King Humbert Cannas.

John Lewis Childs, Flowerfield, L. I., N. Y.  
Canna Roots.  
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Newest list of the newest Cannas just out. Complete assortment of the finest sorts, at remarkable rates.

Send for list today.  
THE CONARD & JONES CO.  
West Grove, Pa.

## CARNATIONS

Cottage Gardens Co., Inc., Queens, N. Y.  
New Carnation Cottage Maid.  
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Guttman & Raynor, Inc., New York City.  
Seedling Carnation Laura Weber.

## CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post-paid. I. L. PILLSBURY, Galesburg, Ill.

## CHRYSANTHEMUMS

Elmer D. Smith, Adrian, Mich.  
New Chrysanthemum Catalogue for 1916.  
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Guttman & Raynor, Inc., New York City.  
Early Lavender Pink Chrysanthemum.  
Alex. Guttman, also Emma, a Garza Anemone, Double Pompon, pale pink.

## CYCLAMEN

CYCLAMEN. Best strain. Separate colors or mixed, 3 in. pots, \$8.00 per 100, for May delivery.  
JULIUS ROEHRS CO., Rutherford, N. J.

## DAHLIAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.  
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Send for Wholesale List of Whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens. J. L. MOORE, Prop., Northboro, Mass.

## NEW PAEONY DAHLIA

John Wanamaker, Newest, Handsomest. Best. New color, new form and new habit of growth. Big stock of best cut flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

IF YOU INTEND growing Dahlias for cut flowers then you will make no mistake if you will try my assortment, especially selected for cut flower production. Three whites, 3 pinks, 1 red, 1 yellow, 1 lavender, 1 fancy; all field roots, labeled true to name; per 100, 10 of each kind, \$3.00; per 1000, 100 of each kind, \$25.00. 50 at 100 and 500 at 1000 rates. Cash with order. Guarantee entire satisfaction. If interested in Dahlias, then please send for my wholesale trade list of Dahlias.

## MANNETTO HILL NURSERIES

W. A. FINGER, Prop., Hicksville, N. Y.

## DECORATIVE PLANTS

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High Grade Plants for Retail Florists.  
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**GERANIUMS**

- R. Vincent, Jr. & Sons Co.  
White Marsh, Md.  
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- Madame Sallerol—2 in., \$2.00 per 100;  
\$18.00 per 1000. PASCOAG GREEN  
HOUSES, Wm. Doel, Prop., Pascoag, R. I.

**GLADIOLI**

- John Lewis Childs, Flowerfield, L. I., N. Y.  
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**GLASS**

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- Parshelsky Bros., Inc., Brooklyn, N. Y.  
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- Greenhouse glass, lowest prices. JOHN-  
STON GLASS CO., Hartford City, Ind.

**GLAZING POINTS**

- H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.  
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**GOLD FISH**

- Gold fish, aquarium plants, snails, cas-  
tles, globes, aquarium, fish goods, nets,  
etc., wholesale. FRANKLIN BARRETT,  
Breeder, 4815 D St., Olney, Philadelphia,  
Pa. Large breeding pairs for sale. Send  
for price list.

**GREENHOUSE BUILDING MATERIAL**

- King Construction Co., N. Tonawanda, N. Y.  
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DAY OUTFIT**

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Non-Kink Woven Hose.  
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- Hotel Cumberland, New York City.

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Lily Bulbs from Japan.  
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- R. M. Ward & Co., New York, N. Y.  
Japanese Lily Bulbs of Superior Quality.  
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- The D. Hill Nursery Co., Dundee, Ill.  
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**In writing to Advertisers kindly mention Horticulture**

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**PANSY PLANTS**

225,000 large, stocky (Sept. transplanted), field-grown blooming pansy plants, Henry Mettes strain, all salable stock, satisfaction guaranteed. \$1.00 per 100; \$10.00 per 1000. Cash. Prompt shipping. **BRILL CELERY GARDENS**, Kalamazoo, Mich.

Pansies, the big giant flowering kind, \$3.00 per 1000 in bud and bloom, \$5.00 and \$15.00 per 1000. Cash. If I could only show the nice plants, hundreds of testimonials and repeat orders I would be flooded with new business. **JAMES MOSS**, Johnsville, Pa.

**PANSY PARK PERFECTION** is a thoroughbred strain of Show and Fancy Pansies. It includes every giant variety known; the reds, oranges and lush fancy varieties in good proportion. I have made a specialty of growing Pansy seeds and plants over 40 years, and received thousands of testimonials from florists and amateurs in all parts of the country. Fine, stocky, field-grown plants from July sown seed, September transplanted in bud and bloom, all colors mixed, 1000, \$8.00; 100, \$1.25. Plants from August sown seed, October transplanted, some in bud, \$7.00 per 1000; 100, \$1.00. **SEEDS** 50¢ per 100. Field-grown seed bed plants from seed sown in August, thinly, broadcast, many in bud, some in bloom, 1000, \$7.00; 100, \$1.00. Medium size seed bed plants which will bloom the latter part of May, 1000, \$4.00; 100, \$2.25. Cash with order. **L. W. GODELL**, Pansy Park, Dover, Mass.

**PAPER POTS**

The Cloche Co., New York City.  
 Collapsible Paper Boxes.  
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**PHOENIX CANARIENSIS**

In all sizes. Special price-list on demand.  
**JULIUS ROEHRS CO.**, Rutherford, N. J.

**PEONIES**

Peonies. The world's greatest collection.  
**ROBERT C. BEISCHER**, Canal Dover, O.

**PECKY CYPRESS BENCHES**

**A. T. Stearns Lumber Co.**, Boston, Mass.  
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**M. H. T. & Co.**, New York City.  
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**Stakes Trellises Plant Hangers and Ties**,  
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Grafted Roses.  
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 American Grown Roses.

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**A. N. Pierson, Inc.**, Cromwell, Conn.  
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**Guttman & Raynor, Inc.**, New York City.  
 Rose Prima Donna (Mme. Paul Euler).

**THE CONARD & JONES COMPANY**,  
 Rose Specialists.

West Grove, Pa. Send for offers.

**SEASONABLE PLANT STOCK**

**R. Vincent, Jr. & Sons Co.**, White Marsh, Md.

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**SEEDS**

**Carter's Tested Seeds**.

Seeds with a Pedigree.  
 Boston, Mass., and London, England.  
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**Burnett Bros.**, 48 Chambers St., New York.  
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**Leonard Seed Co.**, Chicago, Ill.  
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**Fottler, Fiske, Brewster Co.**, Boston, Mass.  
 Seeds for the Florist.

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**SEED AND PLANT FORCER**

**The Cloche Co.**, New York City.  
 For page see List of Advertisers.

**SPHAGNUM MOSS**

**New England Florist Supply Co.**,  
 Boston, Mass.

For page see List of Advertisers.

Live Sphagnum moss, orchid peat and orchid baskets always on hand. **LAGER & HURRELL**, Summit, N. J.

**SHELF BRACKETS**

**Metropolitan Material Co.**, Brooklyn, N. Y.  
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**SUN DIALS**

**The M. D. Jones Co.**, Boston, Mass.  
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**SWAINSONA, MRS. JOSEPH MANDA**

**Joseph Manda**, West Orange, N. J.  
 New-Orchid Colored.

For page see List of Advertisers.

**SWEET PEA SEED**

**Ant. C. Zvolanek**, Lompoc, Calif.  
 Gold Medal of Honor Winter Orchid Sweet Peas.

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**TUBEROSES**

**J. M. Thorburn & Co.**, New York City.  
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**VASES**

**H. Bayersdorfer & Co.**, Philadelphia, Pa.  
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**VEGETABLE PLANTS**

**R. Vincent, Jr. & Sons Co.**,  
 White Marsh, Md.

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500,000 Giant Argentine and Palmetto Asparagus Roots grown from selected seed, 500,000 Jersey Sweet Potato Plants, red and yellow, 50,000 Vineland Bush Sweet Potato Plants, no vines, 100 lbs. each Ruby King and Pimento Pepper Seed, 25,000 Gladiolus Bulbs, 10,000 Rhubarb Roots. All other Vegetable Plants in season. Write for what you want. No catalogue. **I. & J. L. LEONARD**, Iona, N. J.

Celery Plants: Golden Self-Blanching (French strain); fine plants, ready now; \$2.00 per 1000. Cash. Special prices on large lots. **BRILL CELERY GARDENS**, Kalamazoo, Mich.

**VENTILATING APPARATUS**

**The Advance Co.**, Richmond, Ind.  
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**The John A. Evans Co.**, Richmond, Ind.  
 For page see List of Advertisers.

**VERMICIDES**

**Aphine Mfg. Co.**, Madison, N. J.  
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**WEED KILLER**

**Pino-Lyptol Chemical Co.**, New York City.  
**Pino-Lyptol Weed Killer**.  
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**WHEAT SHEAVES**

H. Bayersdorfer & Co., Philadelphia, Pa.  
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**WIRED TOOTHPICKS**

W. J. Cowee, Berlin, N. Y.  
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**WIREWOK**

Reed & Keller, New York City.  
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WILLIAM E. HEILSCHER'S WIRE  
WORKS, 264 Randolph St., Detroit, Mich.

**WHOLESALE FLORISTS**

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.  
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**Baltimore**

The S. S. Pennock-Meehan Co., Franklin  
and St. Paul Sts.  
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**Boston**

Welch Bros. Co., 226 Devonshire St.  
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Patrick Welch, 262 Devonshire St.  
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**Brooklyn**

Wm. H. Kuebler, 28 Willoughby St.  
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**Buffalo, N. Y.**

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**Chicago**

Poehlmann Bros. Co., Morton Grove, Ill.  
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J. A. Budlong, 184 North Wabash Ave.  
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**Detroit**

Michigan Cut Flower Exchange, 264-266  
Randolph St.  
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W. F. Sheridan, 133 W. 28th St.  
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P. J. Smith, 131 West 28th St.  
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Moore, Hentz & Nash, 55 and 57 W. 26th St.  
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Charles Millang, 55 and 57 West 26th St.  
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W. P. Ford, 107 W. 28th St.  
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J. K. Allen, 118 West 28th St.  
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The S. S. Pennock-Meehan Co., 117 West  
28th St.  
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Traendly & Schenck, 436 6th Ave., between  
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Badgley & Bishop, Inc., 34 West 28th St.  
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Woodrow & Marketos, 37 and 39 W. 28th St.  
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Riedel & Meyer, Inc., 49 West 28th St.  
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George C. Siebrecht, 109 W. 28th St.  
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John Young & Co., 53 West 28th St.  
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M. C. Ford, 121 West 28th St.  
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**WHOLESALE FLORISTS**

New York—Continued

United Cut Flower Co., Inc., 111 W. 28th St.  
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Guttman & Reynor, Inc., 101 W. 28th St.  
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Gunther Bros., 110 West 28th St.  
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Henry M. Robinson Co., 55-57 W. 28th St.  
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J. J. Coan, 115 West 28th St.  
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**Philadelphia**

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Edward Reid, 1619-21 Ranstead St.  
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E. G. Hill Co.  
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**Rochester, N. Y.**

George B. Hart, 21 Stone St.  
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**Washington**

The S. S. Pennock-Meehan Co., 1216 H St.,  
N. W.  
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**New Offers in This Issue****AMERICAN BEAUTY ROSES.**

S. S. Pennock-Meehan Co., Philadelphia, Pa.  
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**ASPARAGUS PLUMOSUS NANUS  
SEEDS—CHRYSANTHEMUMS.**

W. H. Elliott, Brighton, Mass.  
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**BOOK OF ORCHID HYBRIDS.**

Sander & Sons, St. Albans, England.  
Walter Gott, McAlpin Hotel, N. Y. City.  
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**CANNAS.**

Rowan J. Irwin, New York City  
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**GERANIUMS, PETUNIAS AND OTH-  
ER BEDDING PLANTS.**

R. Vincent, Jr. & Sons Co., White Marsh,  
Md.  
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**HARDY PERENNIAL PLANTS.**

Michell's Seed Store, Philadelphia, Pa.  
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**HARDY ROSES.**

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**HEATHER AND FLOWERING  
PLANTS.**

Anton Schulteis, College Point, N. Y.  
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**SWAINSONA, MRS. JOSEPH MANDA**

Joseph Manda, West Orange, N. J.  
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**WHOLESALE PLANT DEALERS.**

Anglin & Walsh Co., Williamsbridge, N. Y.  
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**WANTS, FOR SALE, ETC.**

Advertisements in this column  
one cent a word. Initials count as  
as words. Cash with order. All  
correspondence addressed "Care  
HORTICULTURE" should be sent  
to 147 Summer St., Boston.

**HELP WANTED****WANTED**

Two or three greenhouse men to do potting  
and other work at our nursery, Dedham,  
Mass. Apply to

R. & J. FARQUHAR & CO.,  
6 South Market Street, Boston, Mass.

**SITUATIONS WANTED**

FOREMAN GARDENER with 17 years  
experience on large private estates, expects  
to make a change, where a capable man is  
wanted. \$60.00 per month, board and room.  
"G. D." care HORTICULTURE.

WANTED—Situation as head working  
gardener. Scotch; married. Experienced  
under glass, shrubs, lawns and vegetables.  
Disengaged when suited. "P. M. R." 303  
Andover St., So. Lawrence, Mass.

SITUATION WANTED—By Head Gar-  
dener (English) on private estate; life ex-  
perience in all branches of Horticulture  
both under glass and outside; well up in  
alpine and herbaceous plants, and all work  
in general on a private estate. Good refer-  
ences. Married, no family. "F. L." care  
HORTICULTURE.

POSITION WANTED by reliable young  
man of good character (20) as assistant  
gardener on private place or nursery. Gen-  
eral experience in Horticulture and Orchard  
work. References furnished. Good accom-  
modations and permanent position only  
considered. Please state particulars and  
address F. J., care HORTICULTURE.

**BUSINESS OPPORTUNITIES**

The larger interest in a retail Flower  
growing and Nursery business in one of  
the best interior resort towns in California,  
southern part. Consists of modern equip-  
ment of glass. Business is a small corpora-  
tion and needs active management. In-  
terested and responsible parties would  
best communicate through their attorneys.  
Not much cash needed. It is a good oppor-  
tunity to become established in an old  
business with a splendid reputation. Ad-  
dress CALIFORNIA, care HORTICUL-  
TURE

**THE NUT-GROWER**

The unique monthly publica-  
tion which furnishes reliable  
and interesting up-to-date in-  
formation regarding the value  
of pecans and other edible nuts  
and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

**THE NUT-GROWER**

No. 2 Francis St.

WAYCROSS, GA.

**In writing to Advertisers kindly mention Horticulture**

## Flower Market Reports

PHILADELPHIA The plant trade repeated its great success of past years. All the prominent growers sold out completely a good while ahead and retailers found difficulty in getting additional material afterwards. There was very little left in the stores by Easter morning that did not have a "sold" tag attached. After the lilies the rambler roses must be given next place in importance and popularity this year. The French hydrangeas which made a whirlwind success, actually driving the old Otaksa out of the market. Some of the azaleas were unevenly flowered, showing the results of long confinement in transit from Europe. Pink Pearl was the leader among the rhododendrons. Comparatively little of the bulbous material was in evidence.

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PHILADELPHIA Sweet peas were the feature of the Easter market here this year. Notwithstanding the enormous quantity in sight they all went—and at good prices. Cattleyas were very scarce and it seems that a customer who couldn't get a nice orchid for a dollar was willing to take a bunch of orchid-flowered sweet peas for the same money. There were enough gardenias to go around. American Beauty held her own as a leader in the rose world, closely followed by Russell. Both realized good prices but nothing out of the way. Pink roses also went well. The only sluggish item was in white but fortunately there was no great supply of these. Carnations moved well at moderate figures. High grade lily of the valley was rather scarce and more could have been sold even at the advance prices. No fancy prices this year on cut Easter lilies. Twelve for the fanciest to ten for first-class and eight or less for shorts. Callas seemed to be a bit on the "taboo" list. The same with daisies—and the latter has heretofore generally been in fair demand as an Easter subject. Gladioli made their appearance on Friday, and today, Monday, comes the first shipment of peonies. The latter are from South Carolina and consist of Maxima, Queen Victoria and Edulis Superba—nice stock and quickly picked up.

The plant men from all accounts, have done equally as well as the cut flower growers; and everybody seems to be satisfied and fairly well cleaned out of all that was fit to sell.

PITTSBURGH Notwithstanding the lateness of Easter, with the parks and private grounds aglow with genista, magnolias, forsythia and bulbous blossoms, three public flower shows and gloomy skies and rain, commercially the season was without exception the

best in the history of local trade circles. There were plenty of flowers of practically all kinds, and plenty of money to buy them, than which there could be no other explanation. Lilies, particularly, sold well in greater quantities than ever before. On the whole, cut flowers brought about the regular prices, sweet peas and good carnations, only, showing a little increase. Unfortunately, the Hudson River American Beauties and violets arrived about twelve hours late, those due Friday morning not reaching the wholesale houses until seven o'clock that evening. As might be expected, they were by no means up to "concert pitch."

ST. LOUIS From reports gathered this early the 1916 Easter, coming late as it did, was the largest and best the St. Louis florists have ever had. The weather was fine on Saturday and Sunday, which made deliveries pleasant for all. The leading retailers say that it was distinctly a "plant Easter" and never before were there so many sold. The big department stores cut heavily into the plant trade, selling at extremely low prices. Lilies were of exceptionally fine quality both in cut flower and pot plants and this was the leading flower. Next in demand were azaleas, hydrangeas and rhododendrons. Following these were Tausendschoen and Perkins rambler roses. Plans of tulips, Dutch hyacinths and lily of the valley also came in for a big demand. The wholesale flower market was greatly supplied with all seasonable stock and it was a hard matter for the commission men to clean up on any one flower. Roses came in large quantities and at very reasonable prices, except extra fancies. Beauties were in good supply, also Mrs. Russell, and the Killarneys. There was a grand cut of carnations and many more than the demand called for. There were no violets this Easter, but sweet peas were a big glut and sold for very low prices. Orchids demanded a high price owing to the shortage. The wholesalers state that shipping orders were larger than ever before. The local retailers had to purchase all their supply on Saturday as the wholesalers would not open their places on Easter Sunday for business.

WASHINGTON The local retailers have just passed through a most successful Easter business and are very well pleased with results. There was a marked shortage in several lines, but on the whole there was a sufficient quantity of all varieties to fill the demand. The greatest trouble was with respect to orchids which were practically unobtainable the latter part of the week and many of the storemen who had promised them for Easter delivery could not fulfill their promises. The heavy demand from out-of-town places for lily of the valley sent the price on this up to \$8 per hundred. The price is now down to normal at \$6. Roses sold better this year than ever before. Carnations sold out at very good prices and the present week finds a shortage in the carnation market. Sweet peas were in high favor and brought very good prices. Large quantities of violets were sold, although it was estimated that twice as many could have been moved had the retailers pushed their sale and had

not been afraid that they would be off the market before Sunday. Plants brought good prices and the number sold is said to have exceeded last year. Smilax and asparagus are scarce.

## Obituary

James MacMachan.

James MacMachan, for seventeen years superintendent for George F. Baker, at Tuxedo Park, N. Y., passed away suddenly on Tuesday morning, April 11th, in the 52nd year of his age. Mr. MacMachan was born in Dundee, Scotland, but at an early age moved to Blairgowrie and while very young began serving his time at Halleburton House. In the years following or until he came to this country he pursued his labors and studied in gardening in some of the best estates in Scotland and Ireland. On arriving in this country Mr. MacMachan took charge of the estate of Geo. F. Baker which in a few years he transformed what was little more than rocky hills and swampy hollows into what has been for many years conceded to be one of the most beautiful and interesting spots in this section. Mr. MacMachan was passionately devoted to his profession; every inch of him was a gardener and everything the ground produced appealed to him. He always took a leading part in all the work connected with the Tuxedo Horticultural Society, having held several offices including that of president. He was also a director for several years of the National Association of Gardeners. The funeral which took place on Friday afternoon, April 14, from St. Mary's church was largely attended by men prominent in the trade in New York and elsewhere, and by the public, and every gardener in this section. Mr. MacMachan is survived by his wife and two daughters. He had many friends here and elsewhere and the sincerest sympathy of all of them goes now to those who are most sadly stricken.

THOMAS WILSON.

Frederick Bolze.

Frederick Bolze, a florist in New York as early as 1860, died last week at his home in Pleasantville, N. Y., in his 70th year. He was active in business until his death. Mr. Bolze was born in Hanover, and was educated at the Royal College of King George of Hanover, receiving a special degree of merit, and soon after coming to this country. He became associated with the florist Buchanan of Astoria, one of the first florists of Long Island. For many years he had a shop in Fifth avenue at 42nd street, and later at Lexington avenue and 54th street. He went to Pleasantville 20 years ago.

Andrew McKnight.

Andrew McKnight, a well-known market gardener of the past generation died in Communipaw, N. J., on April 20, aged 92 years. Mr. McKnight was a contemporary of Peter Henderson and J. Stevens and did a large business in celery and cabbage. Later he built up quite a reputation as a pansy grower. He retired about five years ago, his eyesight having almost gone.



# WEED KILLER

THE VERY NEWEST AND QUICKEST METHOD OF DESTROYING WEEDS, GRASS AND OTHER GROWTH IN GARDEN WALKS, GUTTERS, TENNIS COURTS, DRIVEWAYS, ETC.

This fluid absolutely destroys all weeds and other growth wherever applied, and its effect on the ground prevents the growth of fresh ones for a year and thus saves a great deal of time and labor, as no cutting, hoeing or hauling away of the weeds is required.

We manufacture the strongest line of DISINFECTANTS on the market.

**P.-L. CHEMICAL CO., 507-509 W. 19th St., New York**

CORRESPONDENCE SOLICITED.

## A ROOF GREENHOUSE

The roof greenhouse shown in our cover illustration was completed a few months ago by S. Jacobs & Sons for C. C. Trepel, on the roof of a two-story building at Broadway and 89th street, New York. The size of this curved-eave greenhouse is 35 by 125. Many obstacles had to be overcome in this operation. A special permit was obtained from the building department of New York, because the building was an old structure. The brick walls had to be elevated, a special shaft was built, take passengers to the roof. Fire law regulations had to be met; a concrete roof was laid, a steam heating plant was installed, which heats the entire building and greenhouse. Special provisions were made for heating the greenhouse at night. A difficult drain-

and an elevator was installed, so as to age problem was solved. The least of S. Jacobs & Sons troubles were encountered in securing the contract, although it was a strictly competitive job. This greenhouse is in perfect running order, and has been pointed out by many in passing by on account of its artistic beauty. The best feature of it all is that Mr. Trepel has secured a big trade by means of its attractiveness.

## GREENHOUSES BUILDING OR CON-TEMPLATED.

Dayton, O.—Heiss Company, rebuilding.

Oswego, N. Y.—C. Beckstedt, additions.

Clayton, Mo.—Werner Bros., additions.

Seymour, Ct.—T. J. Mooney, one house.

Bala, Pa. H. J. Muller, house 25 x 175.

Rutland, Mass.—Rutland Sanatorium, one house.

Rochester, N. Y.—Frank Lavigne, show house.

Scranton, Pa.—G. E. Carpenter, show house.

Camden, N. J.—Albert C. Stack, house 24 x 85.

Lexington, Ky.—Chas. P. Keller, range of houses.

Evansville, Ind.—Karl Zeidler, three houses each 25 x 100.

Sioux City, Ia.—J. C. Rennison Co., two houses each 36 x 200.

Marlboro, Mass.—Walter P. Frye, Pleasant street, additions.

Hutchinson, Kan. — Underwood Greenhouses, additions and alterations.

The following have each ordered one house from the King Construction Company, North Tonawanda, N. Y.; Wm. Brotzman, Phillipsburg, N. J.; Poinard Bros., Scranton, Pa.; Isaac Brockbill, Soudersburg, Pa.; J. D. Joyce, Pottsville, Pa.; W. P. Diamond, Johnson City, N. Y.; D. E. E. Koser, Williamsport, Pa.; Paul Niehoff, Lehighton, Pa.; W. H. Thomas, Honey Brook, Pa.; Norman Stauffer, Lancaster, Pa.; E. M. Campbell, Shamokin, Pa.; Mrs. C. M. Schnovely, Ephrata, Pa.; Walter Garland, Pen Argyle, Pa., two houses; Fred Frank, Brookside, Pa., two houses; A. Schultze, Scranton, Pa., three houses.

## USE THIS PURE PLANT FOOD

FOR  
GARDEN

FOR  
LAWN



MAGIC HUMUS is a pure plant food unleached and unburnt. Its analysis proves that it contains potash, phosphoric acid, nitrogen and Compost in available form.

MAGIC HUMUS COMPOST possesses the body and fibre to absorb and retain Nature's moisture after it is put into the ground and spreads its fertilizing elements through the soil.

Months are occupied in the preparation of MAGIC HUMUS. It reaches the garden free from weed-seed and can be agreeably handled.

The garden receiving a liberal application of MAGIC HUMUS COMPOST is permanently enriched with plant food and soil.

Seven 100-lb. Bags, \$5.00.

Single Bag, 100 lbs., 90c.

f. o. b. New York or Jersey City.

**HIGHGRADE MANURE COMPOST CO.**

G. W. CHANDLER, Sales Agent,  
533 West 29th St., New York, or  
68 Maple Ave., Red Bank, N. J.



Unequalled for Greenhouse and Landscape Fertilizing

**THE PULVERIZED MANURE CO.**

31 Union Stock Yards, Chicago



**IMP. SOAP SPRAY**

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

LOOK FOR THE IVY LEAF TRADE MARK.

Ask your dealer or write

**EASTERN CHEMICAL CO., BOSTON**



**NIKOTEEN**

For Spraying

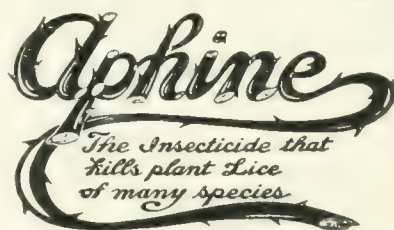
**APHIS PUNK**

For Fumigating

Ask Your Dealer For It

**NICOTINE MFG. CO.**

ST. LOUIS



The Recognized Standard Insecticide. A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$4.50.

**NIKOTIANA**

A 12% nicotine solution properly diluted for fumigating or vaporising.

Quart, \$1.50; Gallon, \$4.50.

Until further notice shipments on our products FUNGINE, VERMINE and SCALINE will be subject to conditions of the chemical market.

Prompt shipments can be guaranteed on APHINE and NIKOTIANA.

**Aphine Manufacturing Co.**  
MADISON, N. J.

## Aetna Brand Tankage Fertilizer

Is the best balanced fertilizer manufactured. It contains the ten salts constituting soil. It is giving satisfactory results wherever used.

**FARMERS' AND FLORISTS' FERTILIZER CO.**

809 Exchange Ave., Room 5, Tel. Drovers 1932  
U. S. YARDS, CHICAGO, ILL.

Est. 1765

Pot Makers for a  
Century and a Half**HEWS****STRONG  
RED  
POROUS****POTS**

Inc. 1904

World's Largest  
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.  
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue  
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:  
CAMBRIDGE, MASS.  
NEW YORK, N. Y.**KING CONSTRUCTION COMPANY, North Tonawanda, N. Y.****GREENHOUSES****We Claim Maximum Strength and Minimum Shadow. Investigate****DREER'S "Riverton Special" Plant Tub**

See how the Riverton Special Plant Tub is made. The tub is made of the best material and is built to last. It is the best tub for the money. It is the best tub for the money. It is the best tub for the money.

**HENRY A. DREER, Seeds, Plants, Bulbs and Supplies, 714 Chestnut Street, Philadelphia, Pa.**

**SHARP, PARTRIDGE & CO.**

Are Leaders in

**GREENHOUSE GLASS**

OUR PRICES WILL PROVE THIS.

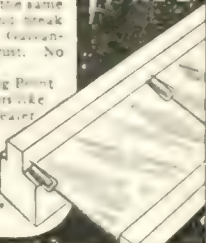
CHICAGO, ILL.

**Dreer's Peerless  
Glazing Points  
For Greenhouses**

Drink easy and true, because both points are on the same line. Cap and point will break the glass in glazing. Glazed and will not rust. No rights or lettings.

The Peerless Glazing Point is patented. Numbers like it. Order from your dealer or direct from us.

1000 per postpaid. Samples free.  
**HENRY A. DREER,**  
714 Chestnut Street,  
Philadelphia.

**FULL-  
SIZE  
No. 2****NON-KINK WOVEN HOSE**

In 3 lengths, 14, 20, 25 feet. With couplings. In 3 sizes, 1/2, 3/4, 1 inch. Reduced prices. Order 25 feet for the pot foot covered.

**METROPOLITAN MATERIAL CO.**  
1392-1414 Metropolitan Ave., Brooklyn, N. Y.

**SUNDIALS**

Real Bronze Colonial Designs from 3.50 Up.

At all hardware stores. Also direct from the manufacturer.

**The M. D. JONES CO.**  
71 Portland St. Boston, Mass.

**STANDARD FLOWER  
POTS**

If your greenhouse are within 500 miles of the Capitol, write us, we can save you money.

**W. H. ERNEST**

28th &amp; M Sts., Washington, D. C.

**THE FLORISTS' HAIL ASSOCIATION**

Is a mutual organization, insuring greenhouse glass against hail. Both commercial and private establishments are accepted. For particulars, address

**John G. Eiler, Sec., Saddle River, N. J.**  
Inquire Now.

**PATENTS GRANTED.**

1,178,803. Process of exterminating Insect Life from Trees or Shrubs. Randolph C. Hendricks, Riverside, Cal.

1,178,889. Lawn Trimming Implement. John Volhard, Fort Wayne, Ind.

1,179,043. Window Flower Pot Stand. Frederick Rotti, Elizabeth, N. J.

1,179,155. Method of Making Flower-Holders. Arthur James Bennett, Cambridge, Ohio.

**MASTICA**For Greenhouse  
Glazing  
**USE IT NOW**

**F. O. PIERCE CO.**  
12 W. BROADWAY  
NEW YORK



Mastic is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

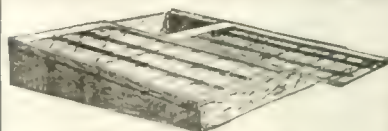
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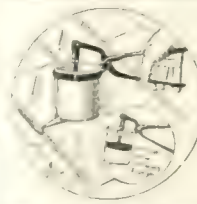
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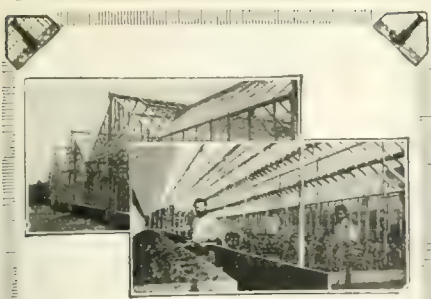
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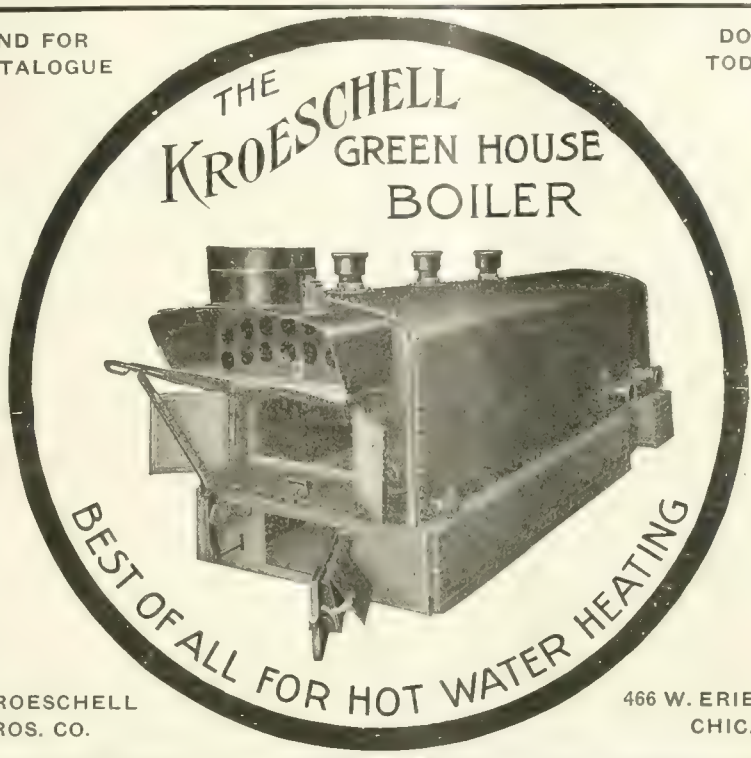
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Vol. XXIII  
No. 19  
MAY 6  
1916

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**WATERTOWN MASS.**

# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—Pope.

## Asters

Young asters should have every care now. Pull the sashes off every good day and when the night promises to be free from frost they are better left uncovered. They like a rather heavy loamy soil, enriched with a liberal amount of thoroughly rotten manure (cow manure preferred) with the addition of wood ashes scattered over the surface at the rate of 30 to 40 bushels per acre. It is better to change the ground each season. Give some extra preparation to the soil now and the asters will repay you with more profuse and finer blooms, and better stems. When they have been planted three or four weeks it will pay to sow guano or some other good fertilizer about 100 to 150 pounds to the acre. After they are planted out give them frequent cultivation which will keep down the weeds and leave the surface of the soil open.

## Anthuriums

Anthuriums that have not been potted should have a resurfacing of one part each of peat fibre and sphagnum moss. Cone this up 2 or 3 inches above the rim of the pot around the plant. Give them shade to protect them from the sun. Use care in syringing so as to keep the foliage beautiful. During dark and muggy weather less water should be used. Atmospheric moisture in plenty is essential. They should now be given a night temperature of 65 to 70 and, as the season advances raise it to 75 with a day heat of from 85 to 90 degrees. As the season advances give them more air, but when the temperature drops to 72 degrees see that the air is taken off. See that they have copious supplies of water now and during the summer, as this is their growing period.

## Chrysanthemums for Large Specimens

When growing show-plants it is a good plan to start enough of them so that if a few kinds turn out faulty you can afford to discard them. They should be pinched and three shoots allowed to grow. After they have made about six inches more growth pinch again and allow three to each again and so on according to the size of the plant required. Never allow chrysanthemums to have to beg for water and wilt, yet too much may also be just as injurious. Syringe every sunny morning and again in the afternoon on very warm days. Look out carefully for aphids and fumigate regularly. In order to have large plants in the fall they should now occupy at least a six-inch pot. It is very important that the plants

should not suffer from being pot-bound, but at the same time it is best to allow the pots to fill up well with roots before repotting. Turfy loam with one-third well-rooted cow manure and a sprinkling of bone is a good compost to use.

## Stephanotis

These old time plants are well worth growing if only for their fragrant flowers. Where there is call for bouquets it will be found a very valuable flower. Any grower who has a sunny back wall having a winter night temperature of from 55 to 60 degrees can grow this much neglected plant. It can also be grown well in 12 or 14-inch pots or large tubs and when grown this way can be trained on a balloon-like trellis. The best to grow is *Stephanotis floribunda*. They are quite easily propagated from last season's growth by placing each cutting in a small pot of sand and leaf mold in equal proportions and plunging in a propagating bench with a good bottom heat and shade until they are rooted. Maintain a humid atmosphere so as to keep the cuttings from wilting. When fairly well-rooted they can be shifted, using a fibrous loam well enriched with manure, re-potting and stopping during the first summer.

## Seedling Amaryllis

Amaryllis from seed can be flowered in as short a time as fifteen to eighteen months, but as a general rule growers manage to flower a certain number when two years old, and others not until the third year. In purchasing seed, that handled by specialists should be secured. There is much cheap trashy seed sold which will only prove disappointing. It should be sown in pans or flats and placed in a warm, moist house using a light sandy compost. A little leaf is not long in appearing. When two leaves have been produced pot into 2-inch pots, still growing them moist and warm. As the plants need larger pots use a heavier compost. For the final pottings, two parts of a rather heavy fibrous loam, one part of cow manure, some gritty sand and a dash of soot and fine bone makes a good potting medium.

## Planting Seed Outside

Late flowering annuals can be planted out in the open ground now in drill and thinned out later. Balsams, celosia, marigold, calliopsis, gypsophila, helianthus, helichrysum, annual phlox, poppy, salpiglossis, scabiosa, zinnias, etc., given a piece of good ground will give a fine lot of flowers for late cutting.

Next Week: Alamandas; Cycas Stems; Dendrobiums; Forcing Lily of the Valley; Plants for Vases and Window Boxes; Propagating Winter Marguerites.

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by advertising your goods in the  
**Horticulture**

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by this paper is THE SORT OF PUBLICITY  
THAT PAYS.



## ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur C. Ryzicka*

### Keep After Fly

Now that the warm weather is here at last, it may not always be possible to fumigate when the plants need it so no time should be lost in smoking the houses if there is even a trace of fly in them. The fly will increase in numbers very fast and if allowed to multiply unmolested, they will soon cover the plants and suck their very life out. Every fumigation should be followed by a good syringing if at all possible and for this reason it will be best to smoke the houses early just as the dawn is breaking. Smoking at this time will leave even the old fly pretty sick about the time the hose comes along, and once knocked off the plants they will seldom muster enough strength to return. Where the houses have been smoked regularly the plants ought to be pretty clean, the same being true of plants that have been sprayed. With roses we have found it easier to keep the plants clean by fumigation, as it is difficult to reach well under the leaves where the flies stay and all sprays used are contact poisons and have to hit the fly to kill same. Do not use tobacco stems for smoking except in houses carrying the young stock, for the smoke contains a great many gases injurious to the plants, especially to the flowers, and if used in houses where roses are in bloom, it is likely to bleach these badly or else burn their centers out. Tobacco stems will be useless in the walks from now on for there will be too much air on the houses. If there are plenty of these on hand, however, they can be used right around the plants as a mulch, being careful not to apply them too thickly. The fumes from these will help drive the fly to the tops of the plants where it will be easier to kill them; at the same time they will act as a mulch and the plants will get quite a little plant food from the stems. They will also help keep out a great many insects which enjoy living in the coarse mulch around the plants.

### Cutting Roses

With warm weather roses will have to be cut a little tighter than was customary during the winter months, more so on places having no ice to keep them. They will open very fast from now on and if they are allowed

ment of cut flowers, that they be first judged to determine their respective position for their cultural excellence and afterward placed in the hands of an artist to use them as he sees fit, to make the "Show." The public knows nothing and probably cares but little for the fine distinctions of cultural excellence. It would be difficult for them to distinguish any difference between first and second prize flowers. On the other hand they can distinguish and appreciate the work of an artist in arrangement from one that is not.

The recent show in Philadelphia was a disappointment from an artistic standpoint. Perhaps the least defective exhibit from this view was Mr. Roland's group of acacias and even they would have appeared to better advantage had the border of heaths been absent. The roses in

to open pretty well now, so the plants they will be nearly worthless by the time they are sold in the summer. In houses that are to be planted early it will be waste to leave any roses on hand, so it will be best to cut the roses as far back as possible, getting all there is to the stem. It is surprising what difference this will make in the growing, as a large number of roses that were No. 1's formerly will be extras with the additional stem. This will make some difference in the price, making up for the loss by lower prices now paid for roses in the wholesale markets.

### Tying

Except in the Beauty houses, the roses will need very little tying from now on; going over them once in a while to straighten them out here and there will be about all that it will pay to do to them. With Beauties it is different, as these will grow like wild now, and if they are not tied up they will lie all over and will amount to very little. It will not be necessary to tie them down so much though as they will set quite freely now and will not harm the shorter ones by shading, as the sun is much stronger and its rays are more penetrating. Those that are too tall had better be tied down so that they will have nice straight stems, as otherwise they will decrease in value, and with plenty of roses coming to the markets, will be difficult to sell.

### Blackspot

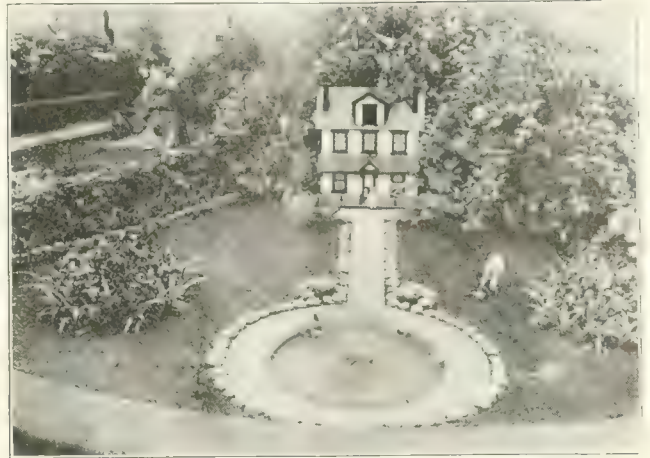
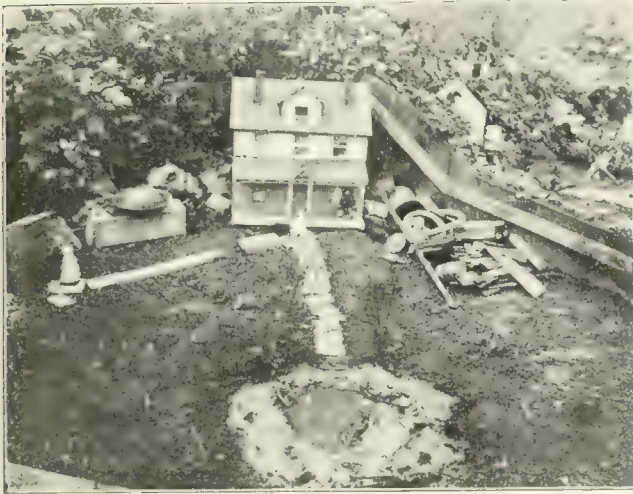
This may appear here and there through the houses, among the Beauties, Ophelias, even Shawyers. But this should not cause the grower to worry, as it usually does little harm as long as it stays on the old plants. If it were in the fall it would be another thing altogether but in the spring we have never known to have any serious trouble with it. Generally this outbreak can be traced to poorly drained houses. The soil around the outside is usually very wet in the spring, and if no means of drainage is provided the waste water from watering and syringing will not soak away as it does in the fall and summer, making the houses very damp. This, and running the houses to cold towards morning, will largely be responsible for spot and for mildew. A steam pipe around the house all night with a crack of air on will do a great deal towards preventing both diseases. A good dusting of lime every night after watering or syringing will also help dry the air. See that the waste water drains away, instead of standing under the benches and see that no surface water washes in from the outside. All bad places in the glass where water drips should be repaired as soon as time will allow, so that the plants will not be wet all the time it is foggy or wet. We have had plenty of such weather and we may have more.

themselves would have made a "show" had they been used to advantage in conjunction with other subjects and in the hands of an artist in arrangement. As they were, staged row after row, they lacked any sign of artistic arrangement, and had the cards been removed not one per cent. of those who paid admission could have distinguished between the "first" and the last. Furthermore, if the subjects were used with the view of artistic effect in the show as a whole half the material would have sufficed.

*George Moorcock*  
Baltimore, Md.



## EDUCATIONAL EXHIBIT AT WEST PARK, PITTSBURGH, PA.



Showing in miniature a typical unkempt home and in contrast how it may be improved.

## Obituary

Louis Colman.

On April 5, Louis Colman, formerly in business as a florist and gardener in Pittsfield and North Adams, Mass., died in Westfield, Mass., on April 5, aged 63 years. His wife and one daughter survive him.

Ira G. Marvin.

Ira G. Marvin, a prominent florist of Wilkes-Barre, Pa., since 1886, died at his home in Kingston, Pa., on April 30. He had been laid up for nine weeks, heart failure causing death. Mr. Marvin was born at Stroudsburg fifty-two years ago. He had branch stores in several towns in the Wyoming valley. His widow and several children, and one brother, Steward Marvin, of Stroudsburg, survive.

Thomas Burke.

Thomas Burke, retired, father of John T. Burke of the florist firm of Burke & Burns of Providence, R. I., died at the home of his son-in-law, Rob't E. Burns, at Hills Grove on April 26, as the result of being struck by an electric car. His age was 75 years. Mr. Burke was a native of Ireland, and came to this country when a youth. He was successful in business and gained a large circle of friends.

John B. Sargent.

John B. Savageau, aged 43, commonly known as John B. Sargent, florist, Winter place, died of blood poisoning at the Leominster, Mass., hospital, on Sunday, April 23, after a short illness. He accidentally scratched one of his fingers and thinking it nothing serious, did not give it the proper care. Blood poisoning developed and Saturday forenoon he was taken to the hospital. His wife passed away two months and two days ago. Mr. Savageau was born in Masonville, R. I., Oct. 2, 1872. When he was 14 years of age he moved to Leominster with his parents. He went to work for Joseph Fuller and learned his trade as florist there. He then went to South Lancaster, where for several years he

worked in the greenhouse and gardens of Eugene V. R. Thayer under E. O. Orpet. After that he went to Bolton and was gardener for J. Wyman Jones. He returned to Leominster three years ago and started the florist business with a greenhouse off Winter Place. He lately added to this by buying another. He leaves three children, John, David and Ida; five brothers and two sisters.

### NOT A "USELESS EXPENSE."

We often wonder if those who launch the periodical attacks against the many time-honored customs on the ground of "useless expense" are sincere. We are sure that if they are sincere, if they are not merely striving to be odd, to receive a certain amount of publicity, that they have not well considered the reason for the custom. There are few customs that are better worth following than that of sending a tribute of flowers to those who are in deep grief following the passing into the great beyond of a dear relative or friend.

Recently there was given to the press a diatribe against the custom of sending flowers to funerals. It would seem that the writers of this article had never lost the presence of one near and dear and had never had the sweet consolation of receiving from friends and relatives the beautiful testimony, speaking louder than words, that their sorrow was shared by others.

Flowers do more than express a momentary sympathy. They teach a lesson of hope, they remind that there is a resurrection, a life eternal beyond the grave where the faith in a reunited existence may be experienced. Food and clothing and a roof are essential, but at such a time the call is greater for expressions that relieve the loneliness and remind the sorrower that there is still hope for an assured joy to come. Happily the attack on this beautiful custom met with an immediate response in the very city and publication where it originated.

In reply the writer said: "I believe it is Bulwer Lytton who calls flowers God's children, and I think there are few of us with souls so unpoetic as not to feel enriched and uplifted by

their beauty and fragrance, especially when heavy blighting grief is in the heart. I note that there is a movement in embryo here—indorsed by a few of our most philanthropic women—to stop the kind, graceful custom of sending flowers to the house of mourning. I also notice that there has been some similar effort in different parts of the country, but I take it that these good women have not looked carefully on all sides of this matter.

"In Biblical times the Jewish law decreed that there should be no flowers at funerals; that all should be buried in the pine casket in the simple linen shroud, so that absolute equality might be established, without distinction between rich and poor. 'But things change in the flowing conditions of life,' and our spiritual and material needs are progressive, and we require in these modern days of stress and strain all the softening and refining influences that civilization can afford.

"We have necessarily drifted from some of Israel's most austere ideals, just as we have drifted from Puritan ideals, in the broader demands of art and humanity; but this does not prevent those who are able to send flowers to sorrow-stricken friends from doing their full quota of charity.

"Did we not consider the florists and their large following of girl and women assistants, who prepare the flowers for funerals, we would want them at these tragic times for their expression of a divine energy permeating the universe, we would want them as a vivid reminder of the renewal of all things; as a reminder of that dream of immortality given by our Jewish ancestors thousands of years ago and as symbols of the resurrection of the beloved spirit but lately passed away."—*The Chambers Board Vol.*

Harrisburg, Pa.—A domestic employed at the home of H. L. Holmes, of the Holmes Seed Co., was terribly burned on the morning of April 21, when her dress ignited from a lighted match carelessly thrown into a coal bucket. Mrs. Holmes, in helping to extinguish the flames had both hands and arms badly burned. It was only by Mrs. Holmes' calmness that the girl's life was saved.

## CLUBS AND SOCIETIES

### SOCIETY OF AMERICAN FLORIST AND ORNAMENTAL HORTI- CULTURISTS.

Amendments to Constitution and  
By-Laws.

In the matter appearing at the last meeting of the Society, the following amendments to the Constitution and By-Laws were adopted:

#### Amendment to Article II.

Article II. Section 2. Elections and Appointments.

At a meeting of the Society held at the home of the President, the following amendments to the Constitution and By-Laws were adopted:

#### Members' Buttons.

Any member joining the society or putting dues at Philadelphia, during the period of the National Flower Show, who did not receive the annual badge button will receive one immediately upon application to the secretary.

#### National Flower Show—Philadelphia.

The following awards were made in the trade section:

Jos. G. Neidinger, Philadelphia: New Styles in Baskets—certificate of merit.

Schloss Bros., New York. Florists' Ribbons—certificate of merit.

Fulper Pottery Co., Flemington, N. J. Florists' Art Pottery—certificate of merit.

W. H. Dugan, New Rochelle, N. Y. Shades for Greenhouses—honorable mention.

John G. Moninger Co., Chicago, Ill. All-steel-frame Greenhouse Construction—certificate of merit.

Mathews Gardencraft Co., Cleveland, O. Garden Accessories—certificate of merit.

Kirke Chemical Co., Brooklyn, N. Y. Device for Attachment to Hose for Distribution of Fertilizers and Insecticides—certificate of merit.

Pfaltzgraf Pottery Co., York, Pa. Florists' Flower Pots—honorable mention.

A. L. Randall Co., Chicago, Ill. Original and Unique Designs in Flower and Plant Receptacles, Vases and Florists' Designs—certificate of merit.

Any exhibitor desiring duplicate exhibitors' cards or ribbons won at the show should communicate with the secretary.

All cuts and plates used in the Official Souvenir Program have been returned to advertisers.

Vouchers for all cash prizes awarded at the show are now in hand for payment and cheques will be sent out in a few days.

In the list of Guarantors published in the final schedule and Official Souvenir Program, the entry "Some Florists of Minneapolis" should have read "Some Florists of the Twin Cities."

JOHN YOUNG, Sec'y.

### Meetings Next Week

Monday, May 8.

Massachusetts Horticultural Society, 10-14, Boston, May 8-14, 1916. Horticultural Hall, Boston.

Tuesday, May 9.

Massachusetts Horticultural Society, 10-14, Boston, May 8-14, 1916. Horticultural Hall, Boston.

Wednesday, May 10.

Cincinnati Florists' Society, 10-14, Cincinnati, May 10-14, 1916. Cincinnati Flower Market, Cincinnati, O. Dutchess County Horticultural Society, Poughkeepsie, N. Y. Morris County Florists' and Gardeners Society, Madison, N. J. Nassau County Horticultural Society, Pembroke Hall, Glen Cove, N. Y. New York State Federation of Horticulture Societies and Clubs, Ithaca, N. Y.

Friday, May 12.

Connecticut Horticultural Society, County Bldg., Hartford, Conn. Westchester and Dutchess Horticultural Society, Doran's Hall, Greenwich, Conn.

#### COMING EXHIBITIONS

May 10-14, Boston, May Show, Massachusetts Horticultural Society, Horticultural Hall.

### HORTICULTURAL SOCIETY OF NEW YORK.

An exhibition will be held by this society on Saturday and Sunday, May 13th and 14th, in the Museum building, New York Botanical Garden, Bronx Park. Prizes are offered for collections of herbaceous plants and shrubs and trees, tulips, narcissus, orchids, sweet peas and snapdragons. Prizes are also offered for plants of pelargoniums and calceolarias. Special prizes may be awarded by the exhibition committee for any exhibit of special merit. Schedules are now ready for distribution and will be sent on application to the secretary, George V. Nash, Mansion, New York Botanical Garden, Bronx Park, N. Y. City.

GEORGE V. NASH, Sec'y.

### ST. LOUIS MEETINGS FOR MAY.

St. Louis County Growers' Association, Wednesday, May 3rd, at the Eleven Mile House.

St. Louis Florist Club, Thursday afternoon, May 11th at 2 o'clock, in Odd Fellows' Building.

Lady Florists' Home Circle, at the home of Mrs. A. Windler, Virginia avenue, Wednesday, May 10th, 2 P. M.

Retail Florists' Association, special meeting, Monday, May 15th, 8 P. M. in Mission Inn Garden, a general review of the Easter business will be on tap.

The regular meeting of the Cincinnati Florists' Society will be held Monday evening, May 8th.

### MASSACHUSETTS HORTICULTURAL SOCIETY.

The present year is about to be one of the most successful in the history of the Society. The success of the two recent flower shows in Philadelphia and New York shows this very emphatically. The next important horticultural event will be the Grand May Flower Show of the Massachusetts Horticultural Society, which is to be held in Horticultural Hall, Boston, May 10 to 14, inclusive.

The management of the society is making active preparations for this event and no effort is being spared to make the exhibition a notable success in every way. In addition to the liberal appropriation for premiums made by the society many special prizes are offered by a number of prominent and influential members which will make this show the most brilliant and comprehensive in recent years.

The best products of many of the noted private collections in the vicinity of Boston will be offered to public view, as well as the specialties of the most famous growers of plants and flowers in this and other states. Notable features will be the collections of orchids, rhododendrons, roses, and artistic displays of flowering and foliage plants. A class for miniature Japanese gardens will be one of the novelties of this exhibition. The show will open Wednesday, May 10, at noon, continuing through Thursday, Friday and Saturday from 10 A. M. to 10 P. M., and Sunday from 1 to 10 P. M. The Boston Orchestra will furnish music every afternoon and evening from 3 to 5 and from 7.30 to 9.30 o'clock.

Commercial growers, especially, will find this exhibition an unusual opportunity to call public attention to the products of their greenhouses and nurseries. The premium list which amounts to upwards of \$5000 will be sent on application to the secretary at Horticultural Hall, Boston, and special trade tickets will be sold in lots of twenty-five or more at half the admission fee.

WILLIAM P. RICH, Sec'y.

### GARDENERS' ESSAY CONTESTS.

The gardeners' essay contest of the National Association of Gardeners for Ex-President Everitt's gold prizes was recently decided by the following judges, Messrs. Edwin Jenkins, Arthur Smith, William Downs, William J. Stewart and J. Harrison Dick, as follows:

CLASS I.—Subject, "Horticulture as a Profession from the Standpoint of a Gardener," awarded to John Johnson, Southampton, N. Y.

CLASS III.—Subject, "Preparation of Ground for, and General Treatment of Hardy Herbaceous Perennials," awarded to H. E. Downer, Northampton, Mass.

CLASS IV.—Subject, "A Year's Vegetable Supply," awarded to John S. Doig, Southborough, Mass.

CLASS II.—Subject, "The Proper

Grouping and Culture of Trees, Shrubs, Perennials and Annual Bedding Plants in the Ornamentation of Private Grounds," no award was made by the judges as the papers submitted were not of sufficient high merit to warrant an award.

The essay contest for President Craig's prizes of \$25, \$15 and \$10 for the best three papers on any horticultural subject submitted by assistant gardeners is now under way. The contest will close on November 1, and the judges' decision will be rendered at the next convention of the association, which will be held in December. The papers are limited to twenty-five hundred words and must be signed with a nom de plume and forwarded to William H. Waite, chairman of the committee on essays and horticultural instruction, Box 290, Madison, N. J. The contestant, too, must send his full name and address enclosed in an envelope with his nom de plume written plainly on the outside of the envelope to the secretary, M. C. Ebel, Madison, N. J.

As considerable time has been allotted to prepare the essays it is hoped that the number of contestants will be many.

#### FLORISTS' CLUB OF PHILADELPHIA.

Parker Thayer Barnes, of Harrisburg, was the principal speaker at the meeting of this club held on May 2nd. He gave an able dissertation on that perennial pest—the red spider—and the latest up-to-date methods for control of same. We hope to reproduce this in full in a future issue as it is of great interest to every horticulturist in the country. Robert Kift made an appeal for a fund for Miss Jarvis, the inventor of Mothers' Day. Zieger & Son exhibited some very fell-flowered Hydrangea Otaksa—about the best we have ever seen. H. F. Michell Co. sent

## NEW CROP

CALDWELL THE WOODSMAN CO., - EVERGREEN, ALA.

a nice lot of tuberous begonias from their Andalusia nurseries. These were extra choice with immense flowers and fine colors. They also sent a good sized exhibit of Helen Michell geranium. Henry Eichholz exhibited a fine vase of snapdragon in various colors. Tom Daly will be the speaker at the next monthly meeting.

#### MOTH QUARANTINE.

An extension of the area in the New England States under quarantine against the gipsy moth and brown-tail moth is being considered by the U. S. Department of Agriculture, and a public hearing on this question will be held in Washington at 10 a. m., May 2, 1916. It is proposed to quarantine the following towns in addition to the territory covered by existing quarantines: N. H.: Conway, Thornton, Campton, Ellsworth, Rumney, Warren, Wentworth, Piermont, Orford, Lyme; Vt.: Bradford, Fairlee; Mass.: Ware, Monson; Conn.: Ashford. The result of this quarantine will be to restrict the interstate shipment from the quarantined area of nursery stock, coniferous trees and forest plant products, except in accordance with regulations prescribed by the Secretary of Agriculture.

Paterson, N. J.—The Totowa Floricultural Society will hold their fall dahlia show at Lincoln Hall on Sept. 23 and 24.

Fancy \$1.35 per 1000  
Dagger \$1.15 per 1000  
Green Sheet Moss for hanging baskets \$1.75 per bag  
Perpetuated Moss \$3.50 per bag  
Muhlenberg Foliage \$2.50 per case  
Lyrata (EVERGREEN OAK) \$2.50 per case

### During Recess

Lancaster County Florists' Association.

April 27th was ladies' night under the leadership of a committee consisting of Albert M. Herr, chairman, Frank Kohr, Rudolph Nagle, Lemon Landis and Elmer Weaver. There was a cold drizzling rain from 6 A. M. to midnight, but you can not dampen the ardor of this bunch of florists and over fifty were on hand promptly at 6.30 P. M., about one-half of the number being ladies. A small dinner was served by Mrs. Stegeman, the tables being handsomely decorated through the courtesy of Messrs L. Landis, Schroyer, Barr, Edgar, Elmer Weaver and E. P. Hostetter, the ladies all having corsage bouquets of sweet peas and the gentlemen boutonniere of carnations. President Schroyer announced that any man who attempted to make a speech would be thrown out. Mrs. A. M. Herr seized the opportunity and claimed the privilege (not being a man) of thanking the club for this auspiciously begun Ladies' Night and voiced the feelings of every lady present.

After dinner games were in order—cards, bowling, billiards and pool. In the cards Mrs. A. M. Herr won first prize, Mrs. Chas. Tucker, second for ladies, and David Rose first and Mr. W. B. Girvin second for gentlemen. In the bowling duck pins Mrs. Lehman won first ladies' with 102, Mr. Chas. Tucker first gentlemen's with 164, and Mrs. B. F. Barr won the consolation prize with a score of 42.

The thanks of the committee are due to Mrs. Rudolph Nagle who presented us with one of her handsome hand-painted flower pots as a prize for bowling. Mrs. Nagle not only paints her own work but burns it as well and has an artistic reputation that extends beyond the confines of Lancaster. Midnight found the hall deserted and every one on the road home all the better for the night's play.

ALBERT M. HERR.

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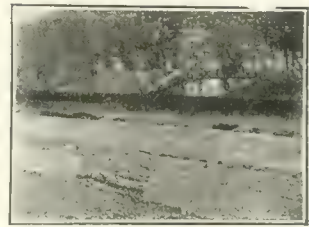
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Cadillac, Mich.—Henry H. H.  
Hennell, N. Y.—H. H. H. & S.  
Falmouth, Mass.—James H. H. H.  
San Antonio, Tex.—Edward G. H.  
Barnstable, Mass.—West H. H. H.  
Cranford, N. J.—H. H. H. H.  
Greenfield, Mass.—Paul R. H. H.  
E. Weymouth, Mass.—Wm. W. H. H.  
East Liverpool, Pa.—Diamond H. H. H.

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Brookline, Mass.—F. E. Palmer, Inc., florists, capital stock, \$25,000. Incorporators, Frederick E. Emma L. and Louise E. Palmer.

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**NEWS NOTES.**

Stamford, Ct.—Woundy & Leonard, landscape gardeners, have opened an office at 1 North street.

Lake Forest, Ill.—John Tiplady, gardener for Mrs. Nettie McCormick, has brought suit for \$10,000 against E. O. Orpet for alleged slander.

Peabody, Mass.—James Warde was arrested by United States Deputy Marshal Backus on April 22 charged with using the mails in a scheme to defraud the Perry Nursery Co., of Rochester, N. Y. According to the complaint, Warde sent fictitious orders for plants to the nursery company to collect commissions on them. He pleaded not guilty when arraigned before United States Commissioner Hayes and was released on \$500 bail pending a hearing April 26.

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Albany, N. Y.—The Rosery, 23 Steuben  
St.  
Albany, N. Y.—William C. Gloeckner, 97  
State St.  
Boston—Thos. F. Galvin, 1 Park St.  
Boston—Penn the Florist, 124 Tremont  
St.  
Boston—Zinn the Florist, 4 Park St.  
Buffalo, N. Y.—S. A. Anderson, 440 Main  
St.  
Buffalo, N. Y.—Palmer's, 304 Main St.  
Chicago—William J. Smyth, Michigan  
Ave. and 31st St.  
Cleveland, O.—J. M. Gasser Co., Euclid  
Ave.  
Cleveland, O.—Adair Graham & Sons,  
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Broadway.  
Detroit, Mich.—J. Breitmeyer's Sons,  
corner Broadway and Gratiot Ave.  
Houston, Tex.—Kerr, The Florist.  
Kansas City, Mo.—Samuel Murray, 1017  
Grand Ave.  
New London, Conn.—Reuter's.  
New York—David Clarke's Sons, 2139  
2141 Broadway.  
New York—Alex. McConnell, 611 5th Ave.  
New York—Young & Nugent, 42 W. 28th.  
New York—Dards, N. E. corner 44th St.  
and Madison Ave.  
New York—Max Schling, 22 W. 59th St.  
New York—G. E. M. Stumpp, 761 Fifth  
Ave.  
New York—Thos. F. Galvin, Fifth Ave.,  
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Farnum St.  
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Clinton Ave., N.  
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St., West  
San Francisco—Pelicano, Rossi & Co., 123  
Kearny St.  
St. Louis, Mo.—Fred C. Weber 4326 28  
Olive St.  
St. Paul, Minn.—Holm & Olson, Inc.  
Tarrytown-on-Hudson, N. Y.—F. R. Pier-  
son Co.  
Toronto, Can.—J. H. Dunlop, 8-10 West  
Adelaide St.  
Washington, D. C.—Gude Bros., 1214 F  
St.  
Washington, D. C.—F. H. Kramer, 915  
F St., N. W.  
Washington, D. C.—George H. Cooke,  
Connecticut Ave. and L St.  
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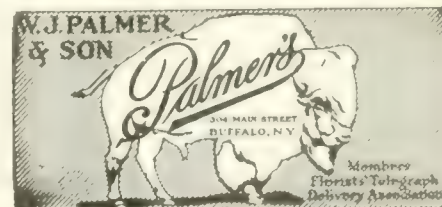
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## NEWS ITEMS FROM EVERYWHERE

### CHICAGO.

Frank Oechslein has added a small car for light hauls between his new place at 72nd street and Harlem avenue and his plant establishment.

The backwardness of the spring is shown by the fact that the forsythias, the lilacs and the tulips and hyacinths are just making their appearance, while leaf buds are only starting on most trees and vines.

Local papers declare this Easter means an outlay of half a million dollars for flowers, grown in and around Chicago, and that this city is the greatest flower distributing point in this country. We modestly add, if the greatest in the United States, why not the greatest in the world?

C. C. Cleminson, 7801 South Shore avenue, has the sympathy of the trade in the loss of his daughter, Thora, aged 19, whose death from blood poisoning occurred April 30. Miss Cleminson assisted her father in his buying and was well and favorably known in the market, where she will be missed.

According to the predictions of some of our wholesalers, longest in the business, carnations will not be able to meet the demand for Mothers' Day, May 14. Incidentally they remark, the carnation cannot be kept as in the past, which practically puts less on the market for any special occasion.

Phil Schupp, manager for J. A. Budlong, says the late Easter proved a good combination with the late season bringing in stock at just the right time. Mr. Schupp is authority on lily of the valley, which is one of their specialties, and he says the June brides will not have to be deprived of

them. Exports from the city last year were valued at \$1,000,000, and it is expected to reach \$2,000,000 this year.

In the series of articles "What Chicago did for Me" running in a local newspaper the issue of April 21, contains the story and picture of John Mangel, a leading loop florist who came to America from Greece in 1885. Mr. Mangel came to Chicago in 1885, and in 1890, which he invested \$2.00 in bananas, the following day and began his career as a merchant. He learned the English language on the street and a friendly newsboy taught him to read from the headlines on the papers. Step by step business has advanced from a cart which held his merchandise to one of Chicago's most artistic flower stores. The article closes as follows:—"I have been back to Greece three times and the utter impossibility for the poor to better their conditions there seems more deplorable each time and my heart overflows with gratitude to America."

### BOSTON.

McAlpine & McDonald have taken up their new quarters directly across the street from their old place, and have installed a refrigerator box.

George Cartwright is laid up in the Peter B. Brigham Hospital with ailments which are as yet unknown. X-ray examinations have failed to disclose anything, and while his condition is not grave he is seriously ill.

The bedding plant season is approaching its height, and between now and Decoration Day the growers expect some lively business. In order to appreciate fully the amount of care and labor put into this work one has but to visit such houses as A. Leuthy, Roslindale. Mr. Leuthy has over 150,000 plants of all varieties in fine condition, and he expects a good season.

Local growers are having serious trouble keeping their Italian laborers as they are demanding wages not to be heard of. Frank Edgar and Charles Evans report that their laborers are leaving upon their refusal to pay them \$3.00 a day or more. The men claim that they can easily make at least \$4.00 a day in the arms and munition factories. Evidently they give this small consideration to the risk involved. Italian laborers are getting more independent and harder to get every day and the growers are facing a critical situation.

St. Louis—J. J. Beneke, who sold his place of business and lease-hold April 15th, left on last Sunday night for a few days' stay in Chicago. On his return he says he will announce his future plans.

Seymour, Conn.—T. J. Mooney, whose greenhouses are in Kenneytown had a temporary store here for the Easter trade.

### PHILADELPHIA.

*Helonias bullata* is a feature of the Battles store display this week. This is an elegant native bog plant with pink flower racemes two to three inches long, something after the style of musk hyacinth. Has an onion-like root and is easily propagated by divisions.

Mr. and Mrs. Abram L. Pennock arrived on the 2nd, inst., at their old homestead in Lansdowne, from their winter home at Jupiter, Fla. Both well and hearty. The veteran Abram has been very much interested recently in superintending the building of the new pier at Jupiter. He certainly is a wonder for a ninety-five-year-old.

Alfred Burton entertained his fellow heroes (who won fame at the National Flower Show by making it a financial success) on the 28th, ult., at his home at Wyndmoor. They were on the ticket, printing and advertising end and they certainly did wonders, and no one grudges them their full meed of praise for a result for which every committee did great work.

Seventy-five degrees in the shade today, Monday, May 1st. The cherry trees are in bloom, vying with dogwood and lilac; the hyacinths ring their bells with joy; the tulips are holding up their brilliant cups to catch the passing sunbeams. The voice of the lawn mower is heard in the land. Overcoats are discarded and the populace are twelve deep at the seed counters. March and April were mean months but glory be! here it is spring at last!

P. Joseph Lynch, the Indiana cyclone, blew into town on Saturday. It was a little murky overhead for a while but the sky has cleared now and the bad men are beginning to peek out again from the trenches. From all accounts the rose men have had a better year than in 1915 and are again beginning to feel their oats. Glad of it. If Germany will come across with a few cargoes of colors now for next year's catalogs all will be well. In any case we still have black and white, and the latter day artists can make a pretty good job even with that.

FLOWERS BY TELEGRAPH

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CALIFORNIA

**Pelicano, Rossi & Co.**

129 KEARNY ST.

**F. R. PIERSON CO.**

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BOOKS BALANCED AND ADJUSTED.

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**METALLIC WREATHS, ANCHORS, CROSSES**, beautifully decorated with flowers on white or green foliage. Our designs are wonderful in their true-to-nature perfection.

**MAGNOLIA WREATHS, CYCAS LEAVES and WREATHS, FOR MOTHER'S, MAY 14th, WHITE CARNATIONS**, very fine. \$1.80 per 100; large size, \$2.00 per 100

**WAX FLOWERS**, good to work in Magnolia Wreaths Sweet Peas, Carnations and Roses.

**CREPE FLOWERS** of every variety—Lilies, Orchids, Mums, Dahlias, Carnations, Roses and crepe Cape Flowers.

Baskets in Wonderful Variety of Shape and Tint, Brazilian Willow Baskets, Porto Rican Mats, Silk Fibre Ribbon, Japanese Novelties in Decorative Material, School Graduation and Commencement Specialties, etc., etc.

*Send for Silent Salesman's Supplement*

**THE FLORISTS' SUPPLY HOUSE OF AMERICA**

**H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.**

## PITTSBURGH.

We overlooked to mention last week the fine Easter show at the new William Penn Hotel by Edward Shelton Jones, who has charge of the roof greenhouse for the William Penn and Fort Pitt hotels.

Miss Margaret L. Burns has been added to the salesforce of the A. W. Smith Co. Miss Burns comes from Fairmont, W. Va., where for the past six years she has been with the H. Weber & Sons Co. E. Clarke Stiles, who comes from the Andorra Nurseries, Chestnut Hill, Pa., has been added to the landscape department at Smith's.

## PERSONAL.

Thomas V. Brunelle, formerly with Fred Haigis & Co., has taken a position with E. A. Richards, florist, Greenfield, Mass.

Miss Alice Ockerby of London, Eng., and E. A. Butler, horticulturist at the Bussey Institution, Jamaica Plain, Mass., were married on April 26, at Worcester, Mass.

**Cincinnati**—E. A. Forber's opening on Monday was a success both from an artistic point of view and the number of callers. The store is a large one, well arranged, and gives ample room for display purposes.

Mr. and Mrs. P. J. Olinger have as their guests Mrs. Olinger's mother and sister, Mrs. Mat. Weiland and Miss Helen Weiland, of Evanston, Ill.

## A STORE OPENING.



Formal entrance and view of interior of MacRorie & McLaren's new retail store in Powell street, San Francisco, at its opening. A feature of the day was the presentation of a corsage of Phalaenopsis to each patron.

A Florist's  
Necessity

# HART'S HANDY HANDLE

Fits securely on any standard pot and by the use of a little chif-fon or ribbon gives you a Basket effect at a very small additional expense, increasing the price of your plants 100 per cent.

1	12 inches high,	\$2.50 per doz.	4	24 inches high,	\$6.00 per doz.
2	15 " "	3.50 " "	5	30 " "	6.50 " "
3	18 " "	4.00 " "	6	36 " "	9.00 " "

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CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES  
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**Florists' Supplies**

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**WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY**

	BOSTON May 4		ST. LOUIS May 6		PHILA. May 7	
<b>Roses</b>						
Am. Beauty, Special	20.00	to 25.00	20.00	to 20.00	20.00	to 25.00
" " Fancy and Extra	15.00	to 20.00	15.00	to 18.00	12.00	to 15.00
" " No. 1	4.00	to 8.00	6.00	to 8.00	3.00	to 10.00
Russell, Hatley	4.00	to 12.00	5.00	to 15.00	5.00	to 10.00
Killarney, Richmond, Hillingdon, Ward, Extra	4.00	to 6.00	5.00	to 8.00	6.00	to 10.00
" " Ordinary	1.00	to 2.00	1.00	to 3.00	2.00	to 5.00
Arenburg, Radiance, Taft, Key, Extra	4.00	to 6.00	4.00	to 6.00	6.00	to 10.00
" " Ordinary	3.00	to 4.00	1.00	to 3.00	2.00	to 5.00
Ophelia, Mock, Sunburst, Extra	4.00	to 8.00	5.00	to 8.00	6.00	to 10.00
" " Ordinary	2.00	to 4.00	2.00	to 3.00	4.00	to 6.00
Carnations, Fancy	2.00	to 3.00	2.00	to 3.00	3.00	to 3.00
" " Ordinary	1.00	to 1.50	1.00	to 1.50	1.50	to 2.00
Cattleyas	40.00	to 50.00	60.00	to 75.00	50.00	to 75.00
Dendrobium formosum	10.00	to 35.00	10.00	to 10.00	10.00	to 10.00
Lilies, Longiflorum	6.00	to 8.00	6.00	to 8.00	6.00	to 10.00
" " Rubrum	10.00	to 10.00	10.00	to 10.00	10.00	to 10.00
Callas	10.00	to 10.00	6.00	to 8.00	6.00	to 10.00
Lily of the Valley	10.00	to 5.00	3.00	to 4.00	3.00	to 5.00
Daisies	1.00	to 2.00	5.00	to 8.00	1.00	to 1.50
Violets	4.00	to 5.00	10.00	to 10.00	10.00	to 10.00
Mignonette	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Snapdragon	4.00	to 8.00	4.00	to 8.00	2.00	to 12.50
Daffodils	2.00	to 1.00	1.00	to 2.00	2.00	to 3.00
Glaadioli	5.00	to 10.00	10.00	to 10.00	5.00	to 8.00
Tulips	10.00	to 4.00	2.00	to 4.00	2.00	to 3.00
Hyacinths	1.00	to 1.00	10.00	to 10.00	10.00	to 10.00
Freesia	10.00	to 10.00	10.00	to 10.00	10.00	to 10.00
Calendulas	1.00	to 1.00	1.00	to 1.00	1.00	to 3.00
Lilac per	.25	to .50	1.00	to 1.00	.25	to .50
Sweet Peas	.25	to .75	1.00	to .25	.50	to 1.50
Gardensias	12.00	to 12.00	10.00	to 10.00	3.00	to 15.00
Adiantum	10.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Smilax	18.00	to 16.00	1.00	to 15.00	20.00	to 25.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	25.00	to 35.00	18.00	to 15.00	25.00	to 50.00

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ROSES, VALLEY and  
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## Flower Market Reports

**BOSTON** With the exception of Monday morning's trading which was brisk, the market has been rather quiet. In fact a decided slump has been reported by carnation salesmen, due, they claim, to the warm weather which causes the growers to cut a larger number than ordinarily. Prices are rather low on all varieties. Roses, while not so sluggish, are none too brisk and prices have dropped considerably. Sweet peas are barely moving and the market is getting more crowded with them. The only scarce thing is lily of the valley. Narcissi, especially bi-colored, are going nicely and irises seem to be doing well. Lilies are abundant, but stationary, and gladioli are but a trifle stronger. The entire market lacks that virility which has been so noticeable for the past few weeks and the growers are eagerly awaiting the Decoration Day and June harvest.

By all reports from **BUFFALO** flower merchants about the city and locally the Easter business was without a doubt the best ever experienced in Buffalo. Trade began early and continued up to Sunday noon and it was a hustle for everyone throughout the week. The plant business was excellent. Of lilies there were more than previous years yet the price was even better and the sales were clean. Hydrangeas were good and plentiful and brought good prices. Azaleas sold well though not too plentiful. There was a fine lot of hybrid and rambler roses and pans of bulbous stock which all cleaned up to advantage. The cut-flower trade was good and the supply on all lines (except possibly sweet peas) was plentiful enough. Violets were fairly good, roses were in enormous supply and the demand fell heavy on colored varieties. Carnations brought a good price and all shipments carried satisfactory. More American Beauties were sold than on any other Easter, the prices being within reach of all. Cut lilies also cleaned up quite satisfactorily. The week following Easter was quite lively with stock a little on the scarce side.

The quality of flowers coming into this market now seems large, but in reality is not larger than the supply of last week, the demand making the difference. So great was the call for Easter stock that the rapidity with which it passed from the boxes to the customers made it appear that there was much less coming in than this week, when every kind seems in such abundance. Cattleyas are the only scarce article and they are far from being in sufficient supply. Sweet peas quickly caught up again and now counters show a large quantity of that favorite and they sell quickly when prices suit customers. Carnations are not much in excess of demand when quality is good, but it is a noticeable fact that when this flower is in good supply there is always a considerable proportion of very poor stock. American Beauties of good quality are not so scarce as heretofore. All kinds of roses are to be had and iris and snapdragon in splendid quality are coming. Bulbous stock is practically gone.



## Mrs. Charles Russell

As the weather gets warmer the quality of this wonderful rose really improves, and splendid stock it is.

	Per 100
Special	\$45.00
Fancy	12.00
Extra	10.00
First	8.00
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## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI May 1		CHICAGO May 1		BUFFALO May 1		PITTSBURG May 1	
<b>Roses</b>								
Am. Beauty, Special	40.00	to 50.00	30.00	to 40.00	20.00	to 25.00	25.00	to 35.00
" " Fancy and Extra	25.00	to 35.00	20.00	to 30.00	15.00	to 20.00	20.00	to 30.00
" " No. 1	10.00	to 20.00	10.00	to 15.00	8.00	to 10.00	10.00	to 15.00
Russell, Hadley	8.00	to 15.00	4.00	to 25.00	6.00	to 8.00	4.00	to 15.00
Killarney, Richmond, Hill'don, Ward	8.00	to 12.00	8.00	to 12.00	4.00	to 6.00	4.00	to 10.00
" " Ord.	4.00	to 6.00	3.00	to 6.00	3.00	to 4.00	3.00	to 4.00
Arenburg, Radiance, Taft, Key, Ex.	8.00	to 12.00	8.00	to 12.00	6.00	to 8.00	6.00	to 10.00
" " Ord.	4.00	to 6.00	3.00	to 6.00	3.00	to 4.00	3.00	to 4.00
Ophelia, Mock, Sunburst, Extra	8.00	to 12.00	8.00	to 15.00	6.00	to 8.00	8.00	to 12.00
" " Ordinary	4.00	to 6.00	3.00	to 5.00	3.00	to 4.00	3.00	to 4.00
Carnations, Fancy	2.00	to 4.00	3.00	to 5.00	2.00	to 3.00	2.00	to 3.00
" " Ordinary	1.00	to 2.00	2.00	to 3.00	1.00	to 2.00	1.50	to 2.00
Cattleyas	50.00	to 65.00	50.00	to 75.00	40.00	to 50.00	40.00	to 50.00
Dendrobium formosum	10.00	to 12.00	8.00	to 12.00	6.00	to 10.00	5.00	to 10.00
Lilies, Longiflorum	10.00	to 12.00	8.00	to 12.00	6.00	to 10.00	5.00	to 10.00
" " Rubrum	8.00	to 10.00	6.00	to 12.00	6.00	to 10.00	6.00	to 10.00
Callas	8.00	to 10.00	6.00	to 12.00	6.00	to 10.00	6.00	to 10.00
Lily of the Valley	5.00	to 5.00	3.00	to 4.00	4.00	to 5.00	3.00	to 6.00
Daisies	.50	to .75	1.00	to 2.00	1.00	to 2.00	1.50	to 3.00
Violets	1.00	to 1.00	1.00	to 1.00	.40	to .50	.10	to .50
Mignonette	1.00	to 1.00	4.00	to 6.00	2.00	to 3.00	4.00	to 6.00
Snapdragon	6.00	to 12.00	6.00	to 12.00	3.00	to 6.00	8.00	to 12.00
Daffodils	1.00	to 1.00	1.00	to 1.00	1.00	to 2.00	2.00	to 4.00
Gladioli	4.00	to 6.00	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Tulips	2.00	to 3.00	2.00	to 3.00	1.00	to 2.00	2.00	to 4.00
Hyacinths	3.00	to 4.00	1.00	to 2.00	1.00	to 3.00	1.00	to 1.00
Freesia	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00	1.00	to 1.00
Calendulas	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00
Lilac (per bunch)	.50	to .60	1.00	to 1.00	.25	to 1.00	1.00	to 1.00
Sweet Peas	.35	to 1.00	.75	to 1.50	.50	to 1.50	.50	to 1.50
Gardenias	1.00	to 1.00	1.00	to 1.00	1.00	to 2.50	1.00	to 1.00
Adiantum	1.00	to 1.00	1.00	to 1.50	1.00	to 1.25	1.00	to 1.25
Smilax	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00
Asparagus Plu. & Spren. (100 Bhs.)	25.00	to 30.00	25.00	to 30.00	25.00	to 30.00	25.00	to 30.00

**CINCINNATI** For Easter's Day nearly everything is in a good supply. Carnations, however, will probably run short of needs. Since Easter a steady active demand has kept the market pretty well cleaned up. Shipping business is good. Roses continue in a heavy supply, including American Beauty. Lilies and sweet peas are plentiful. Snapdragon is meeting with a fair demand. Outdoor lilacs have a good market. Neither cattleyas nor lily of the valley may be had in any fair quantities. New ferns are in the market.

**NEW YORK** Normal market conditions are now fully restored after the Easter fuss. Considerable business is being done but the supply of material generally is well in excess of the legitimate needs of the market. Consequently values are tending downward as is the case every year at this time. Roses are coming in heavily and of very fine quality. There is an abundance

of every other staple flower. Considerable entertaining is going on and there have been a good many weddings and other affairs calling for choice goods such as gardenias, cattleyas and lily of the valley. The first-named are plentiful enough but the other two items continue in light supply. Cattleyas will soon recover but the supply of lily of the valley after the out-door cut has been disposed of is rather in doubt and a higher range of prices for this particular commodity is regarded as certain. Violets are finished up for the season. As to snapdragons, if half the quantity coming in were eliminated entirely "they never would be missed."

The only scarce **PHILADELPHIA** items on the list at present are cattleyas and lily of the valley. The former bid fair to be more plentiful in a few days and with a decreasing demand a sharp drop in prices is in order. The last named will be scarcer

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NEW YORK QUOTATIONS PER 100. To Dealers Only

**ROSES AND CARNATIONS**

	Last Half of Week ending Apr. 29 1916		First Half of Week beginning May 1 1916	
American Beauty, Special	20.00	to 25.00	20.00	to 25.00
" " Fancy and Extra	16.00	to 15.00	10.00	to 15.00
" " No. 1	3.00	to 6.00	3.00	to 6.00
Russell, Hadley	7.00	to 4.00	5.00	to 4.00
Killarney, Richmond, Hillingdon, Ward, Extra	4.00	to 6.00	4.00	to 6.00
" " Ordinary	2.00	to 3.00	2.00	to 3.00
Arenburg, Radiance, Taft, Key, Extra	6.00	to 8.00	6.00	to 8.00
" " Ordinary	2.00	to 4.00	2.00	to 4.00
Ophelia, Mock, Sunburst, Extra	6.00	to 10.00	6.00	to 10.00
" " Ordinary	2.00	to 4.00	2.00	to 4.00
Carnations, Fancy	1.50	to 2.50	1.50	to 3.00
" " Ordinary	1.00	to 1.50	1.00	to 1.50

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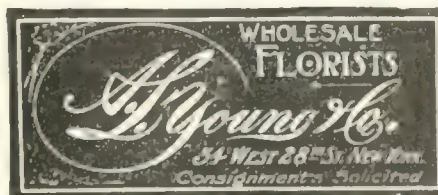
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Telephones, 13-8510 Madison Square

MAURICE L. GLASS, Treasurer

Consignments Solicited

## Flower Market Reports

(Continued from page 641)

if anything and the present high figures are likely to hold firm. Carnations are in fine shape and selling well. The same may be said of sweet peas. Roses are rather more plentiful and easier in price. Lilies are too many—especially of the poorer grades. Among out-door flowers the most prominent items at present seem to be lilac, forsythia and dogwood.

**PITTSBURGH** Concerning flowers, the harvest is great but the buyers are few, for at the time of writing nearly forty-eight hours of the Pittsburgh Railway Company employees' strike has practically paralysed business of all kinds. Those who risk the congestion of the railroad, jitney and private automobile traffic have more practical errands than the esthetic and sentimental, and nothing less than funeral demands are considered in the way of flower buying. However, the florists, wholesale and retail, are having a chance to catch up a little in the way of sleep and rest lost at Easter which is still talked of as being by far the best ever experienced here. The few flowers which were increased in price, have again dropped to normal.

**ST. LOUIS** Since Easter the cut flower market has been in an over supply condition. Outdoor stock is coming in now and the greenhouse production has suffered from this. Roses and carnations are hardly looked at, also sweet peas. The state of affairs has forced prices down to the lowest notch. On Saturday, April 29, the market cleaned up fine. Wild ferns are up to \$3.00 per 1,000; other greens are in plenty.

### VISITORS' REGISTER.

Philadelphia—P. Joseph Lynch, New Castle, Ind.

Boston—Conrad Schulz, Westerly, R. I.; D. F. Roy, Marion, Mass.

Cincinnati—H. J. Vander Horst, St. Mary's, Ohio; Fred Rupp, Laurenceburg, Ind.; Jos. Hill, Richmond, Ind. Chicago—A. George, Perry, Iowa; Wm. Metzger, Wrennana, Ill.; Wm. T. Shield, Pasadena, Calif.; J. J. Karins, repr. H. A. Dreer, Phila.; J. J. Benecke, St. Louis, Mo.

Pittsburgh—J. F. Dayton, The Madison Basket Craft Co., Madison, Ohio; Joseph J. Goudy, repr. H. A. Dreer, Phila.; G. Papendecht, representing Belgium and Holland houses; Peter Broer, Juliana Nurseries, Boskoop, Holland; C. Colyn, Voorhout, Holland.

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We Solicit Consignments of New England Grown Novelties.

## We are WHOLESALE FLORISTS

We handle every variety of cut flowers. We have 22 years' experience behind us, and we do not expect a gold medal for doing our full duty by our consignors and customers. You cannot go very far wrong when dealing with us.

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STORE OPEN FOR BUSINESS AT 6 A. M.

## NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Apr. 29 1916		First Half of Week beginning May 1 1916	
Cattleyas	40.00	to 75.00	25.00	to 75.00
Dendrobium formosum	20.00	to 35.00	20.00	to 35.00
Lilies, Longiflorum	3.00	to 6.00	4.00	to 6.00
Rubrum	1.00	to 2.00	1.00	to 2.00
Callas	0.00	to 8.00	6.00	to 8.00
Lily of the Valley	4.00	to 5.00	4.00	to 5.00
Daisies	.50	to 1.00	.50	to 1.00
Violets	.40	to .60	.40	to .60
Mignonette	2.00	to 6.00	2.00	to 6.00
Snappedragon	3.00	to 8.00	3.00	to 8.00
Daffodils	2.00	to 3.00	2.00	to 3.00
Gladioli	6.00	to 8.00	6.00	to 8.00
Tulips	2.00	to 3.00	2.00	to 3.00
Hyacinths	1.00	to 2.00	1.00	to 2.00
Freesia	1.00	to 2.00	1.00	to 2.00
Calendulas	1.00	to 2.00	1.00	to 2.00
Lilac (per bunch)	.25	to .50	.25	to .50
Sweet Peas	.25	to 1.00	.25	to 1.00
Gardenias	8.00	to 15.00	8.00	to 15.00
Adiantum	.50	to 2.00	.50	to 2.00
Smilax	8.00	to 20.00	8.00	to 20.00
Asparagus Plumosus, & Spreng (100 bunches)	15.00	to 25.00	15.00	to 25.00

## I Can Sell Them For You!

I have an unlimited market for your flowers, any variety, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty-eight years in the Cut Flower Commission Business.

Write for information or call and talk it over.

Telephone **J. K. ALLEN** 118 West 28th Street  
167 & 3058 Farragut NEW YORK

## New England Florist Supply Co.

**SPECIAL** — 10 BARREL BALE Sphagnum Moss, \$3.50  
276 Devonshire Street, BOSTON, MASS.

TELEPHONES: Fort Hill, 3469  
Main, 4789 W

Open 6 a. m. to 7 p. m.

## HEADQUARTERS

For High-Class Roses

Full line of BULBOUS STOCK, BOURBONDIAS, SWEET PEAS and other Seasonable Flowers.

**J. J. COAN**

115 WEST 28TH STREET, NEW YORK  
Tel., Farragut 5413-5891

CONSIGNMENTS SOLICITED

## UNITED CUT FLOWER CO., INC.

Flowers Sold on Commission

Consignments of  
Good Stock Solicited

PERCY W. RICHTER, Mgr., NEW YORK  
111 W. 28th Street

When writing to advertisers kindly  
mention HORTICULTURE.

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Special conditions in some cases are also listed under the classification without charge. reference to List of Advertisers will indicate the respective pages.

Persons desiring to know what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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## APHIS PINK

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## ASPARAGUS

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Asparagus Plucking Seedlings, \$5.00 per 1000.  
Ready May 1st. COLLINGDALE GREENHOUSES, Collingdale, Pa.

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Magic Humus.

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Wizard Brand Cattle Manure.

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Greenhouse glass, lowest prices. JOHN  
STON GLASS CO., Hartford City, Ind.

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**In writing to Advertisers kindly mention Horticulture**

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London: A. C. Newman, New York: G. B. Newman, 1900. Pp. 112. 1s. 6d.

Art. C. Zimmelsch, *Lebensjahr 1841*  
Winter, 1841-1842, 1843, 1844, 1845, 1846

S. S. Zeman, E. A. G. El-Hawary, Ph.

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W. J. MESSING, A. C., New York City  
Society, P. O. Box 1140  
For more complete list of Agents, see

Jan. Vick's Sons, Rochester, N. Y.

August Reiker & Sons, New York City

Burnett Bros., 98 Chambers St., New York

Leonard Seed Co., Chicago, Ill.

Fettler, Fliske, Rawson Co., Boston, Mass.

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**SEED AND PLANT FORCER**  
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The Cloche Co., New York City.  
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New England Florist Supply Co.,

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Live Sphagnum moss, orchid peat and orchid b. slate always on hand. LAGE & HURRELL, Summit, N. J.

### SHELF BRACKETS

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## SUN DIALS

SPRING SUMMER 2005

SPHAGNUM MOSS  
New England Florist Supply Co.

Boston, Mass.  
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• Sphagnum moss, orchid pot  
and baskets always on hand. LA

& HURRELL, Summit, N. J.

**SHELF BRACKETS**  
Metropolitan Material Co., Brooklyn, N. Y.

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Joseph Manda, West Orange, N. J.

New Orchid Colored.

**SWEET PEA SEED**  
Ant. C. Zvolanek, Lompoc, Calif.

1 Medal of Honor Winter Orchid S  
Peas.

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VASES

Bayersdorfer & Co., Philadelphia,  
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VEGETABLE PLANTS

R. Vincent, Jr. & Sons Co.  
White Marsh, Md.

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very plants. Golden Self-blanch  
rench strain); fine plants, ready  
per 1000. Cash. Special prices

e lots. BRILL CELERY GARDEN  
Amazoo, Mich.

**VENTILATING APPARATUS**  
The Adams Co. Richmond, Ind.

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ECLIPSE.**

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GERANIUMS—PETUNIAS AND  
BEDDING PLANTS.**

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ROSE MRS. CHARLES RUSSELL.  
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**TREE SURGERY.**

The Davey Tree Expert Co., Kent, Ohio.  
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**WANTS, FOR SALE, ETC.**

Advertisements in this column  
one cent a word. Initials count as  
as words. Cash with order. All  
correspondence addressed "Care  
HORTICULTURE" should be sent  
to 147 Summer St., Boston.

**HELP WANTED**

WANTED—Foreman for Greenhouses;  
good wages to first class man. GEORGE  
H. PENSON, Bellevue Farm, New Brun-  
swick, N. J.

**SITUATIONS WANTED**

FOREMAN GARDENER with 17 years  
experience on large private estates, expects  
to make a change, where a capable man is  
wanted. \$60.00 per month, board and room.  
"G. D." care HORTICULTURE.

SITUATION WANTED—By Head Gar-  
dener (English) on private estate; life ex-  
perience in all branches of Horticulture  
both under glass and outside; well up in  
alpine and herbaceous plants, and all work  
in general on a private estate. Good refer-  
ences. Married, no family. "F. L." care  
HORTICULTURE.

POSITION WANTED by reliable young  
man of good character (20) as assistant  
gardener on private place or nursery. Gen-  
eral experience in Horticulture and Orchard  
work. References furnished. Good accom-  
modations and permanent position only  
considered. Please state particulars and  
address F. J., care HORTICULTURE.

**BUSINESS OPPORTUNITIES**

The larger interest in a retail Flower  
growing and Nursery business in one of  
the best interior resort towns in California,  
southern part. Consists of modern equip-  
ment of glass. Business is a small corpora-  
tion and needs active management. Inter-  
ested and responsible parties would  
best communicate through their attorneys.  
Not much cash needed. It is a good oppor-  
tunity to become established in an old  
business with a splendid reputation. Ad-  
dress CALIFORNIA, care HORTICUL-  
TURE.

**MISCELLANEOUS**

WANTED TO RENT, with privilege of  
buying, 10,000 to 20,000 ft. of glass with  
dwelling house. Massachusetts state pre-  
ferred. State full particulars in first  
letter. Address "T." care HORTICUL-  
TURE.

**THE NUT-GROWER**

The unique monthly publica-  
tion which furnishes reliable  
and interesting up-to-date in-  
formation regarding the value  
of pecans and other edible nuts  
and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

**THE NUT-GROWER**

No. 2 Francis St.

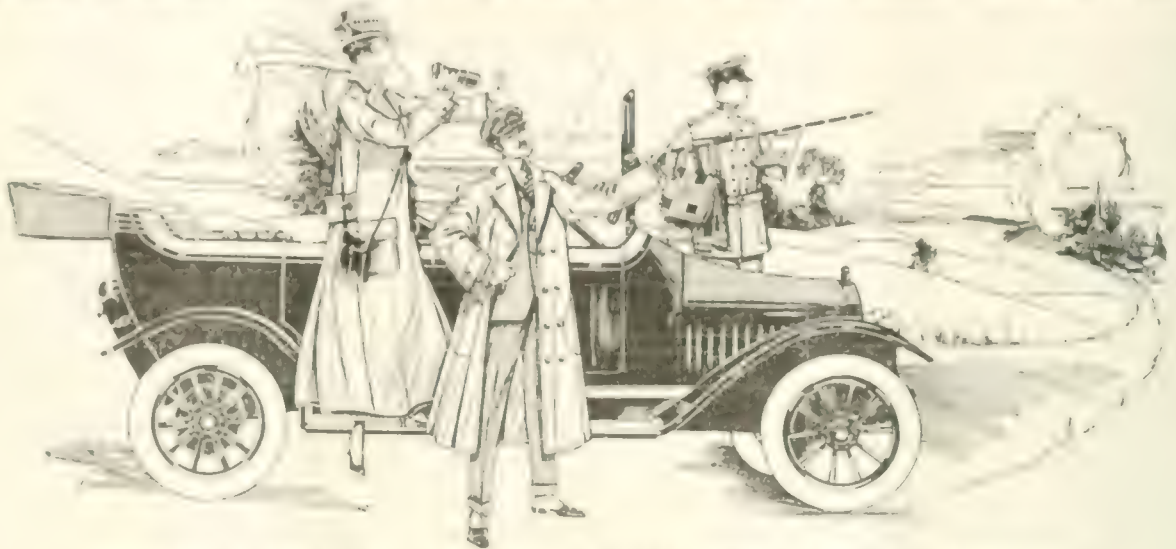
WAYCROSS, GA.

**In writing to Advertisers kindly mention Horticulture**

## A NEW DISCOVERY IN FABRICS

A Material from which Wrinkles Disappear Without Pressing

# THE HAMILTON NON-WRINKLE DUSTER



### PROTECT YOUR CLOTHING WHILE AUTOMOBILING OR DRIVING

HAMILTON NON-WRINKLE DUSTERS are made from a new fabric.

The Dusters can be used in the Auto all day, placed upon a hanger at night and all wrinkles will have disappeared in the morning.

This fabric is soft in finish, heavy enough to withstand the hardest usage, yet light in weight and cool.

The fabric is linen color and is exceptionally attractive, and as it has been shrunk, the Coats may be washed when necessary, and will look like new.

The Women's Coat is made with a full skirt, single breasted, patch pockets, and collar that can be buttoned up close to the neck. It is trimmed with very attractive buttons, and has the belted back.

The Men's coat is made double breasted, side slashed pockets, sleeve tabs, high collar, finished with attractive buttons, and has the belted back.

### SATISFACTION GUARANTEED OR MONEY REFUNDED

We guarantee every HAMILTON NON-WRINKLE DUSTER to be exactly as represented, and if it is not entirely satisfactory when received, it may be returned to us, and we will cheerfully refund the purchase price.

Sizes Both Women's and Men's 34 to 36 **Price \$5.95** Sent Parcel Post Prepaid

We Sell Only Direct from Factory to User, Saving Our Customers, the Jobbers' and Retailers' Profits. We Cheerfully Refund Your Money If You Are Not Entirely Satisfied.

### ARE YOU TROUBLED WITH MOTHS?

Let us prevent Moth damage in your home, save you storage charges on Furs and Fur Coats, and give absolute protection to your Furs and Clothing from Moths, Germs and Dust.

*Full particulars sent on request.*

**G. L. HAMILTON & CO., Inc.,** 394 Atlantic Avenue  
BOSTON, MASS.

### Order Blank—G

G. L. HAMILTON & CO., INC.  
Boston, Mass.

Enclosed find \$5.95 for which send me one HAMILTON NON-WRINKLE DUSTER, Parcel Post PREPAID, with the understanding that if it is not entirely satisfactory when received, it may be returned, and post paid refund the purchase price.

Men's Duster Size .....

Women's Duster Size .....

Name .....

Street .....

City .....

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## FERTILIZERS FOR ROSES

A Paper by Prof. F. W. Muncie at Moline, Ill.

**Type of fertilizer needed**—The soil in the vicinity of the Experiment Station is a brown silt loam. On such a soil applications of phosphatic fertilizer yield greatest increases in crops. Nitrogenous fertilizer is also needed, but applications of potassium sulfate not only give no increased crop but decrease the yield.

**Time to feed**—The periods of heavy feeding should be during the periods of most rapid growth, viz., in fall and spring when sunshine is abundant enough not to limit growth. Fertilization is particularly needed in spring when the soil mixture is to the greatest extent depleted of its readily available content of plant food. While keeping this in mind, attention should also be paid to the periods of heavier production by the plants, when more fertilizer is needed. Phosphate gives an increase in production continuous throughout the year.

**Specific kinds of fertilizer**—Acid phosphate, used in these experiments, was found a satisfactory form of phosphatic fertilizer. No comparison was made, however, between it and bone meal, basic slag, and other phosphate-containing fertilizing materials. Dried blood and ammonium sulfate may each be used as nitrogenous fertilizers. The care necessary to prevent overfeeding with ammonium sulfate is so great, however, that its use is hardly to be recommended. The same precaution is necessary, but to a somewhat less degree, with sodium nitrate.

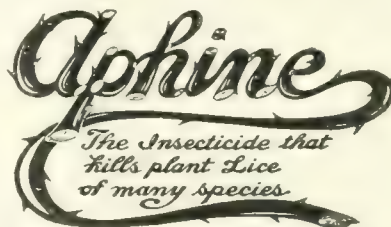
**Nitrogen supplied in manure or commercial fertilizer**—Applications of dried blood at the rate of 5 pounds per 100 square feet of bench space are safe, if put on only during periods of bright sunshine and of heavy production by the plants, and if not made oftener than four to six weeks apart. The amount of nitrogen in such an application corresponds to that contained in 270 pounds of manure of the average nitrogen content (50 percent moisture); it is some-

what more readily available than part of that in good manure. These comparative figures give a basis for the use of either material, however, and show that the need for nitrogenous fertilizer may be supplied as manure, quite as well as by the use of a commercial fertilizer. The symptom of nitrogen starvation—lightening of the color of the foliage—is so evident to every rose grower, that there is no difficulty in determining when applications of a nitrogen-containing fertilizer should be made.

Phosphorus in manure and in acid phosphate—Plants do not show such marked signs of the need for phosphorus, and experiment alone can determine its need. Applications of acid phosphate up to 20 pounds per 100 square feet of bench space (40 pounds per 100 cubic feet of soil) were found to give marked increases in production. The quantity of phosphorus contained in this application is equal to that contained in an application of 2800 pounds of manure of average composition (50 percent moisture) to 100 square feet of bench space or twice this amount mixed with 100 cubic feet of soil. Since manifestly it is impossible to use such a mixture, the need for phosphate in form of a commercial fertilizer is evident. Acid phosphate, the only form of phosphatic fertilizer used in the experiment, is, as stated, satisfactory. Since the benefit from its use is continuous throughout the year, it should be mixed with the soil before the benches are filled. Top-dressings with it are not so satisfactory, since surface root growth is stimulated in this way, resulting in the roots having contact with the soil particles only in an upper layer of the soil in the bench. There is no danger from overfeeding with acid phosphate, for four times the quantity here recommended has been applied without injury. In this respect acid phosphate possessed an advantage over bone, which cannot be mixed with soil or applied as top-dressings in excessive amounts without injuring the plants. The same is true to a greater extent with high phosphate tankage, and blood and bone.

**Use of lime**—With such a need for phosphorus by rose plants, the use of lime or limestone with acid phosphate is to be discouraged, since the solu-

bility of the phosphate would be decreased by its use. The decrease in production from sections in which limestone was used in the soil mixture compared with that from sections receiving no lime is fully proven by the data. The mixing of lime or limestone with the soil, though quite a common practice among growers, cannot be recommended. In case an application of lime is needed to prevent the growth of algae and moulds on the soil surface, finely ground limestone applied as a top-dressing at the rate of 10 pounds per 100 square feet of bench



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space and very little cultivated into the garden. The soil used in the experiment described in the preceding pages was of the type known as the brown silt loam. A description of the various soil types of the state of Illinois, with their fertility is given in Bulletin 123, Ill. Agr. Exp. Sta. which should be studied by every florist in connection with these experiments. The need for nitrogen may be judged from the appearance of the plants, and the loss made good by the addition of manure or dried blood. An even better method is to obtain, at the beginning of the season, a soil of higher nitrogen content, by selection of sod soil, heavy manuring, or turning under of green manure. These experiments have shown a need for addition of a phosphatic fertilizer and with a low phosphorus content a property common to practically all Illinois soils, the recommendations are applicable to any of these soils. Since acid phosphate produces no injury when applied in very large quantities, there is no reason to fear making an excessive application of it.

Comparison of various soils of the state. The soil used in the experiment described in the preceding pages was of the type known as the brown silt loam. A description of the various soil types of the state of Illinois, with their fertility is given in Bulletin 123, Ill. Agr. Exp. Sta. which should be studied by every florist in connection with these experiments. The need for nitrogen may be judged from the appearance of the plants, and the loss made good by the addition of manure or dried blood. An even better method is to obtain, at the beginning of the season, a soil of higher nitrogen content, by selection of sod soil, heavy manuring, or turning under of green manure. These experiments have shown a need for addition of a phosphatic fertilizer and with a low phosphorus content a property common to practically all Illinois soils, the recommendations are applicable to any of these soils. Since acid phosphate produces no injury when applied in very large quantities, there is no reason to fear making an excessive application of it.

Few soils need applications of potassium—On peat and sandy soils alone is there danger of a lack of potassium, and considerations of watering and proper soil texture prevent the use of these soils in the growing of roses. Recommendations—On the basis of these conclusions the following recommendations are made:—

(1) Keep up the nitrogen content of the soil by turning under green or farm manure before use. If roses show signs of nitrogen starvation—a lightening of color of the foliage—make up the need with applications of liquid manure, mulches of manure, or top-dressing of dried blood—the last in applications not exceeding 5 pounds per 100 square feet of bench space and applied not oftener than four weeks apart. Feed only during sunny weather and most generously during periods of heavy production.

(2) Use generous quantities of acid phosphate in the soil. It may be added (a) at the rate of 4 to 8 tons per acre in the field, (b) in a compost with soil at the rate of 40 to 80 pounds per 100 cubic feet of soil, (c) or mixed with the soil at the same rate, just previous to filling the benches.

(3) Do not mix lime or limestone with the soil. If needed for sweetening the soil and preventing the growth of algae, make a top-dressing of finely ground limestone at the rate of 10 pounds per 100 square feet of bench space.

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(5) Do not mix lime or limestone with the soil. If needed for sweetening the soil and preventing the growth of algae, make a top-dressing of finely ground limestone at the rate of 10 pounds per 100 square feet of bench space.

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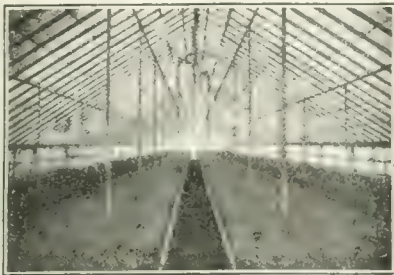
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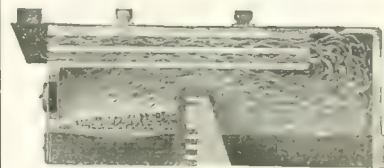
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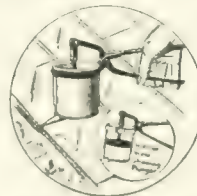
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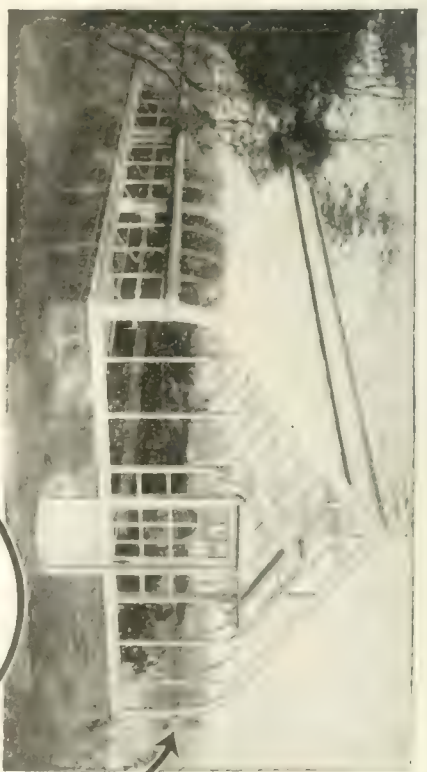
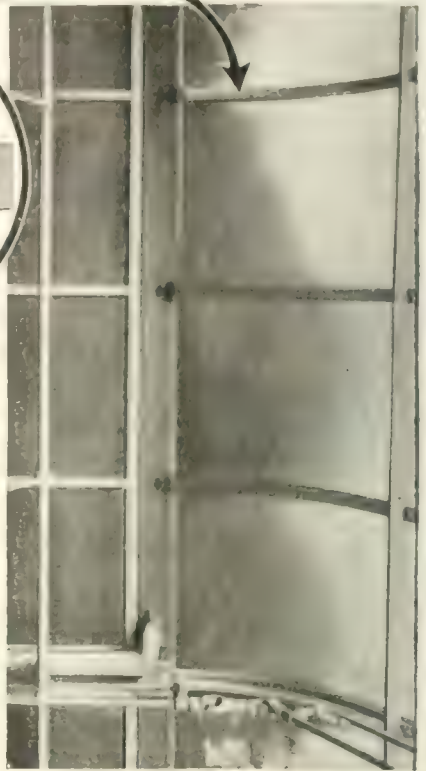
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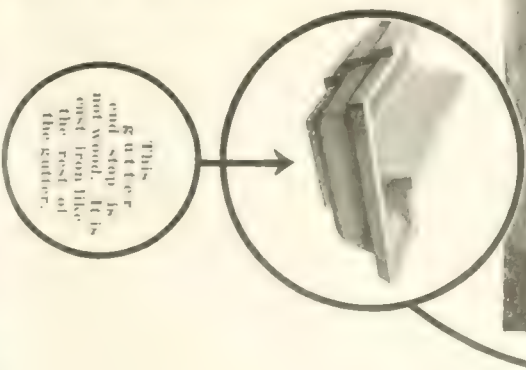
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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—Pope.

## Allamandas

Allamandas are easily propagated from cuttings of green wood. Place these where they can have a little bottom heat in a propagating bench, or use some small pots filled with equal parts of sand and leaf mold and plunge in the cutting bench and keep shaded until they are rooted. These young plants can be shifted into larger pots whenever the condition of the roots may require it. Increase the substance of the soil in later shifts to good fibrous loam with about a fourth well-rotted cow manure and add a moderate sprinkling of sand. They should be grown on and pinched at least twice during their first season's growth. Keep them in full sun and as the pots fill with roots give liquid manure once or twice a week. Continue the use of the syringe every clear day and give more air as summer advances. These plants are favorites for flowering in pots during the summer months and when well grown make good subjects for table center-pieces.

## Cycas Stems

At about this season and until mid-summer Japan sends us its cycas stems a weighty item indeed in the long list of florists' decorative plants. These dormant cycads are sold by the pound and most profitable for the average planter to handle are the small and medium sized stems. It is not easy to tell a good stem from a poor one when they arrive, they being devoid of foliage and the greater part or all of their roots. And yet there is a great difference among stems as regards breadth, length and number of leaves or fronds and the time it takes to start them. A bulging upper or top end of a stem thicker than the lower portion terminating in the stumpy roots is generally taken as an indication that the stem is a rapid and tireless producer of good crowns. The nude stems as they come from the far east are placed in pots very little larger than is just necessary for straight planting. The soil is rammed down with a flat stick all around the scant space between pot and stem. Give them a house where they can have a temperature of 60 to 65 degrees at night. During its development a shading is necessary.

## Dendrobiums

This genus includes many very handsome species as well as some of the most useful orchids for the cut flower trade. When in flower if hung in a cooler and shaded house they will last a much longer time. At this season of the year and after a long period of rest many fine species should be bursting into bloom while others that have finished flowering will be starting their new season's growth. When they have finished blooming is the best time to repot and top-dress. A good compost is made of equal parts of fern fibre and live sphagnum with some broken charcoal. Be sure that they have plenty of drainage. They can be grown in either baskets or pots. I prefer baskets for the pendulous species.

ries, such as *Devonianum*, *lituiflorum*, *Pierardii* *superbum*, *chrysanthum*, *Wardianum* and kindred sorts. They will require more frequent syringing than those grown in pots, but you find them less subject to attacks from slugs and wood lice when grown in this manner.

## Forcing Lily of the Valley

For June cutting when the demand is quite heavy a frame should be prepared at once. See that they are kept nice and moist at the roots. It takes about three to four weeks to flower lily of the valley provided the proper bottom heat and top temperature can be given. Lily of the valley will do fine after May in frames. All that is necessary is a well built close frame. Put six inches of sand over the manure and plant the pips as you would in the green house. The frame can be partitioned so that two or more batches can be kept coming on. Keep close and dark until the stalks are half grown. Then gradually increase the light. Don't overdo the heat or you will get leggy stalks. Use no water overhead after the flowers are expanding for fear of spotting them. At this season there is no less danger from this cause than in winter. As the flowers become about half out, start to get them hardened up by giving more ventilation and light. See that they are kept moist at the roots.

## Plants for Vases and Window Boxes

Usually a window or veranda box is hardly ever wider than about 10 inches, and when you get plants out of 4-inch pots it doesn't take very many to use up this space and there is not much gained by removing a considerable amount of soil from the roots of any plant. It is far better to grow them in small pots and do a little feeding with doses of weak liquid cow manure. Plants intended for the filling of vases and window boxes should consist of heavy stock in comparatively small pots for while you want to have the plants make as much showing as is possible they should take up but little space as far as the roots are concerned. The customer doesn't want to wait for weeks as is often the case with a flower bed. An immediate effect is what is wanted and the heavier the plants the better. Give all this stock plenty of attention from this out so they will be in good condition when planted in the boxes. See that they are clean of green fly and kept in a growing condition.

## Propagate Winter Flowering Marguerites

You should lose all time in putting in a batch of winter flowering marguerites. They will root if kept shaded and moist for about three or four weeks. When rooted place them in a good mixture of sand and loam in full sun. They can be grown under field or pot culture during the summer. When grown in the field they should be lifted by the first week in September and potted in very rich compost.

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ment to crystalize the outward expression of filial affection all over the country into one particular day once a year is a good thing for the florist trade? Does he really believe that the florist will not suffer in the long run in the public esteem by reason of his suddenly developed solicitude that the people should not forget their maternal parents, coupled with appeals to purchase flowers for that purpose, let the mothers be dead or alive? That the celebration is a florist-made occasion is an established conviction with many people. Here is what one lady writes to a Boston daily paper.

"We mothers would greatly like to have one day in the whole year we could call our own and from which we could benefit, and not the florist. Does he not reap enough at Easter, weddings and funerals without laying another burden on us, that of providing our boys and girls with the carnations they do not like to appear without at Sunday School?"

Our Texas contemporary, *The Southern Florist*, is greatly exorcised over the fact that "the Governor of Texas made a mistake in his proclamation and set the date for May 7th instead of the 14th, the proper date." The editor states that he had taken the matter up with Governor Ferguson and advised him that the 14th was the proper date to be observed and urges that every florist take it upon himself to see that his local papers give notice at once of the proper date so that there will be no confusion over the matter. What particular harm, we would ask, would come to the florist if his customers did get "confused" and make the grave mistake of buying flowers in honor of their mothers a week ahead of the day ordered by Miss Jarvis?

We are not yet ready to believe that the American people are deficient in mother love to the extent that they will need to look for inspiration in that sentiment to an advertisement or a pleading show card bearing a doggerel verse in the window of a man who has flowers to sell. Evidence of this was plain enough last year when, outside of Miss Jarvis' home and some other places, the observance was a frost in so far as the wearing of flowers on that day was a test. Let it be understood that we are expressing no particular objection to the establishment of a Mother's Day if the public feel so disposed, but we do see an indiscretion and a menace in the florist trade's campaigning to that end, and that was what we meant when we said "unwisely promoted." We delight to see the business with which we have been so closely identified for a lifetime advance in dignity and nobility as it grows in years and strength, and we always feel aggrieved at any development which impresses us as tending to its discredit and to add to the faults, real or fancied, of which the public have not been slow to accuse it at any time. That the movement under discussion does tend in that direction must be obvious to all. If the florist would persistently impress upon every man, woman and child the appropriateness of floral remembrances and gifts, with a view to develop the habit or the fashion of observing, each, his or her own mother's birthday by sending to her if living, or placing on her grave if gone, a bunch of her favorite flowers, then would the sale of flowers for mothers be distributed over 365 days of the year instead of being crowded into one day, and the florist would be immeasurably the gainer.

The proposition that the S. A. F. should officially interest itself in the collection of a substantial donation to be given annually for life to the ambitious lady who undertook to make the world celebrate her mother's birthday with a specified flower and then resented the market results of her effort, is nothing short of hysterical foolishness full of "boomerang" mischief for the florist.

The editor of our esteemed New York  
 "Unwisely promoted" "Mother's Day" as an "unwisely  
 promoted" "Mother's Day" as an "unwisely

torial catechist credit for possessing a larger amount of wisdom than his naive query would indicate. Our sentiments on this subject as it affects the flower trade have been fully and frankly set forth in previous years and we see no reason thus far to change our attitude as heretofore expressed. Does our friend think that this move-

## ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur C. Ruzicka*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

### Late Mulching

The houses that are to be run for a little while yet and will not be planted until about July, will produce much more and of a much better quality if they are kept mulched all the time. For these late mulches only well-decayed cow manure should be used, for the fresh manure would prove too much of a stimulant to the plants, making a lot of soft growth which would mildew at the very first cause and from this the disease would likely spread to the growth surrounding. When applying these late mulches do not put on too much manure all at once. It would take a lot of time to do this and a good deal of manure, a good portion of which would be wasted as the plants could not begin to take up all of it at once. It would be much better to apply a little more in two weeks or so. If good decayed manure is used it will not be necessary to use any soil with it, for the latter would only prove a nuisance when the soil has to be wheeled out. Do not have the plants too dry when the manure is applied, so that when it is watered it will not harm the roots of the plants. It should be watered as soon as it is applied, even though this may be late in the afternoon or almost evening. This watering will kill any heat that may be in the manure and will also wash down the ammonia which would otherwise escape and be a loss even though it did no damage to the leaves and flowers. Quick growers such as Shawyer, Ophelia, Sunburst, etc., will take hold of the manure at once and will show different color in two days; yes, even in one day if the plants have been a little starved. Where cow manure is not to be had or when no time can be spared to apply it there are many other fertilizers that can be given as substitutes. Bone meal, tankage, dried blood, sheep manure, hen manure, etc., all are highly concentrated fertilizers and must be applied with care, and for best results must be experimented with right on the place, for a set rule cannot be laid down for all places because of the difference in the soils. The best time we find to apply manure or other fertilizers is when a crop begins to come on and while the young shoots are only an inch long or even when the buds begin to break. As soon as the plants get in this stage they will take more water and the manure applied will help them along ever so much. Owing to the fact that we have to depend on foreign labor to do a large part of the work in the greenhouses, we use and recommend cow manure as much as is possible for we find from experience that chemicals applied by unskilled hands often do more harm than good, where with cow manure no one can go very far wrong. Even if it should be applied at the wrong time it is not very likely to ruin the plants, merely holding them back a bit, from which they soon recover and then grow better than ever. Do not use manures or fertilizers that are too rich in nitrogen as this forces the plants too much, causing soft growth, and trouble will result sooner or later. Pure

nitrate of soda should never be used on roses except in rare cases and then only under direction of someone who knows what he is doing.

### The Side Ventilators

With the first few hot days comes the temptation to open the side ventilators to keep the houses cool. We never use the side vents except when the houses are being planted and for a while after that so as not to roast the young plants that have just been planted. We would advise every one to be very careful when using these side ventilators unless one has previous experience on the very place. It often happens that the buildings, trees, hills, etc., surrounding the greenhouses will be so situated as to cause the air currents to run so that no harm will result and the plants will be better off if the side vents are used. This, however, is an exception as we have found most places would be ruined by the use of side air in the spring of the year. It will also be necessary to be very careful with the ventilators in the wide houses, we finding it necessary to change the air from side to side as the wind changes, seldom if ever having the ventilators open full on both sides of the ridge. On real hot days we open the vents up full on one side and about one-third or so on the windward side, this depending on the velocity of the wind and its direction, and according to the "feel" of the air. Some day we may see things so that we shall say carry so much air when the thermometer is so much, the barometer so much, the humidity, etc., with the wind so blowing at such many miles an hour, but those highly scientific days have not come yet to commercial places, although we have no doubt that some greenhouses may be run that way here and there on a private place or college.

### Yucca filamentosa

Our cover illustration this week well illustrates one of the handsomest flowering plants of the hardy garden. A native of North America, it has been used very extensively in European gardens for many years, and though there are numerous other species and varieties the typical *Y. filamentosa* still remains the hardiest and one of the most beautiful for this climate. The ever-green foliage forms a dense rosette, from the center of which rises in midsummer a stately branching spike, some five to six feet high, carrying numerous large deliciously perfumed creamy white flowers, and these produce a very striking appearance if groups are planted on the lawn or in some isolated position. Being impatient of removal, yuccas should not be disturbed after becoming established and all that is necessary to ensure success is a well drained loamy soil and a light covering of leaves in the winter. Our photograph was taken in the garden of George B. Dorr at Bar Harbor, Maine.

## CLUBS AND SOCIETIES

### NEW YORK FLORISTS' CLUB

The meeting of the association on Monday evening, May 8, was well attended, considering the low season for the members from the suburbs especially. It was held at the Hotel Hamilton meeting over the success of the many activities of the club during the past few weeks. There were committee reports and commendatory speeches ad infinitum, with notes of thanks, etc., in connection with the National Flower Show, the International Flower Show, New York day, annual dinner, Brooklyn day and other festivities, and some preliminary discussion was had on the Flower Show for next year, in which Frank Traendly, Patrick O'Mara, C. H. Totty, A. L. Miller and other stalwarts took part, pro and con, some insisting on the ability of the club to run the show independently and others urging the advantages of co-operation with the Horticultural Society of New York. A vote was finally passed instructing the president to appoint a flower show committee to confer with and act in conjunction with the Horticultural Society.

W. H. Siebrecht addressed the meeting on the subject of bulb importation, dwelling particularly on the risk now assumed by the bulb forcers in importing and urging that the New York Florists' Club appoint a committee competent to pass upon the condition of bulbs when received from abroad so that lawsuits might be avoided.

A. J. Guttman then read his paper on the economic phases of the flower business, which was attentively listened to and elicited considerable discussion, in which Emil Schloss, Chas. H. Totty and others participated, a vote of thanks being tendered to Mr. Guttman.

### FLORISTS' CLUB OF WASHINGTON.

A resolution to the effect "That it is the sense of the Florists' Club of Washington, D. C., that some suitable recognition should be made on behalf of Miss Anna Jarvis on account of the idea advanced and the amount of labor and effort expended by her in the promotion of Mother's Day, which has already proven very beneficial to all of the florists of the country, and the subject is one which should receive the attention of the S. A. F. and O. H., to the end that this object may be accomplished," was adopted by the club during a discussion following the reading of a letter from Robert Kift, of Philadelphia, appealing to the local club to join in raising a fund to give Miss Jarvis \$5,000 a year for life. A pink rambler rose seedling, produced by Harry Ley, elicited the commendation of the members. "It has not as yet been named. It was decided to hold an outing at a place and time later to be decided upon.

### Meetings Next Week

#### Monday, May 15.

10:30 a. m. - New York Horticultural Society, New York City.  
1:30 p. m. - New York Horticultural Society, New York City.  
8:00 p. m. - New York Horticultural Society, New York City.

#### Tuesday, May 16.

10:30 a. m. - New York Horticultural Society, New York City.  
1:30 p. m. - New York Horticultural Society, New York City.  
8:00 p. m. - New York Horticultural Society, New York City.

#### Wednesday, May 17.

10:30 a. m. - New York Horticultural Society, New York City.  
1:30 p. m. - New York Horticultural Society, New York City.  
8:00 p. m. - New York Horticultural Society, New York City.

#### Thursday, May 18.

10:30 a. m. - New York Horticultural Society, New York City.  
1:30 p. m. - New York Horticultural Society, New York City.  
8:00 p. m. - New York Horticultural Society, New York City.

#### Friday, May 19.

10:30 a. m. - New York Horticultural Society, New York City.  
1:30 p. m. - New York Horticultural Society, New York City.  
8:00 p. m. - New York Horticultural Society, New York City.

#### Saturday, May 20.

10:30 a. m. - New York Horticultural Society, New York City.  
1:30 p. m. - New York Horticultural Society, New York City.  
8:00 p. m. - New York Horticultural Society, New York City.

### COMING EXHIBITIONS.

June 1-4, Pelham Bay, New York. Summer Show, International Garden Club.  
June 9-10, San Francisco. American Sweet Pea Society, Palace Hotel.  
June 28-29, Newport, R. I. Newport Garden Association and Newport Horticultural Society, on the grounds of the Garden Association.  
August 11-12-13, Boston. American Gladiolus Society, Horticultural Hall.

### NEW HAVEN COUNTY HORTICULTURAL SOCIETY.

This society has been quite active during the past few months and meetings have been well attended. Secretary W. E. McIntosh expects to issue the schedule for the September exhibition of 1916 and 1917, or September about June 1st. During the past week the Board of Education has sent out a bulletin notice to every school in the city regarding the prizes to be given by the New Haven Horticultural Society for plant exhibits by children.

For the best vase of twelve blooms of asters with long stems, 1st and 2nd prizes of \$10 and \$5, and five 3rd prizes of \$1 each are offered. For aster plants showing no less than six blooms, 1st \$5 and \$3, three 3rd prizes \$1 each. For the best essay on "How I Grow My Flowers," 1st prize \$5, 2nd \$2.

W. E. MCINTOSH.

### CLUB AND SOCIETY NOTES

W. A. Kees entertained the officers of the Florist Club of St. Louis on May 1st at his home. It was a good time.

The members of the San Francisco Sweet Pea Exhibition to be held under the auspices of the American Sweet Pea Society in San Francisco, Cal., on Friday and Saturday, June 9 and 10, can be had on application to Frank G. Cuthbertson, secretary, 749 Front St., San Francisco.

The preliminary schedule for the seventh annual exhibition of the American Gladiolus Society to be held in Boston, Aug. 11th, 12th and 13th, has been distributed among the members. Copies may be had free by addressing H. Youell, secretary, 538 Cedar St., Syracuse, N. Y.

The County Growers' Association of St. Louis has elected the following officers: Wm. Winter, president; Tom Kirkwood, vice-president; Hugo Gross, treasurer; Joe Deuchman, secretary. The rest of the evening was taken up with a discussion of the Easter business and the closing of the wholesale houses on Easter Sunday. Installation of officers will take place June 7.

The American Peony Society, in cooperation with The Horticultural Society of New York, will hold an exhibition at the American Museum of Natural History on June 9 to 11 inclusive. Schedules may be had on application to the secretary of the American Peony Society, A. P. Saunders, Clinton, N. Y., or to the secretary of The Horticultural Society of New York, George V. Nash, Mansion, New York Botanical Garden, Bronx Park, New York City.

The American Institute of the City of New York and the American Dahlia Society will hold an exhibition of dahlias in the Engineering Society Building, 25-33 West 39th street, New York City, on September 26th to 28th, 1916. The Annual Chrysanthemum Exhibition of the American Institute will be held at the same place on November 8th-10th, 1916. For schedule of prizes address Wm. A. Eagleson, Secretary, Board of Managers, 324 West 23d street, New York, N. Y.

The monthly meeting of the Holyoke and Northampton Gardeners' and Florists' Club was held May 2 in Holyoke. Lucius E. Wilson, of Springfield, was a visitor and spoke entertainingly of the purposes of the Eastern States Agricultural Exposition, which is to open in West Springfield next October. Permanent buildings are now in course of erection, and the speaker suggested the possibility of arranging for a big flower show there at some future date. An exceptionally fine plant of Hydrangea Otaksa, by George Strugnell, was awarded a certificate of merit.

H. E. D.

An exhibition will be held in the Museum Building of the New York Bo-

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Sales Every Tuesday and Friday at 11 o'clock A. M.

tanical Garden, Bronx Park, New York City, in co-operation with the garden on May 13 and 14. The exhibition will be open from 2 to 5 on the first day, and from 10 to 5 on the second day. The schedule provides for herbaceous flowers, bulb flowers, orchids, sweet peas, antirrhinums, pelargoniums, calceolarias, etc. The annual meeting of the society will be held in the lecture hall of the museum at 3.30 P. M. A lecture, illustrated with colored lantern slides, will be delivered at 4 P. M. in the lecture hall by Arthur Herrington, on "Iris for American Gardens."

The meeting of the Pittsburgh Florists' and Gardeners' Club on the evening of May 2 was in the Dutch Room at the Fort Pitt Hotel. A. A. Leach showed Narcissus Mrs. Langtry, King Alfred daffodils, Darwin tulips and Carnation Gorgeous, blooms of the latter measuring 4½ inches. Jas. Moore showed Hydrangea Otaksa of a high order of merit. Herman Rapp, hydrangea and calceolarias. Carl Becherer, bellflowers. All were awarded cultural certificates and the commendation of the Club. Carl Becherer brought in a large collection of wild flowers, which were examined and named by O. E. Jennings, botanist, Carnegie Museum.

The illustrated talk on the Flora of the State of Washington was postponed to the June meeting. Coffee and sandwiches were served in honor of the speaker, Dr. O. E. Jennings, and his assistant.

H. P. JOSLIN, Secretary.

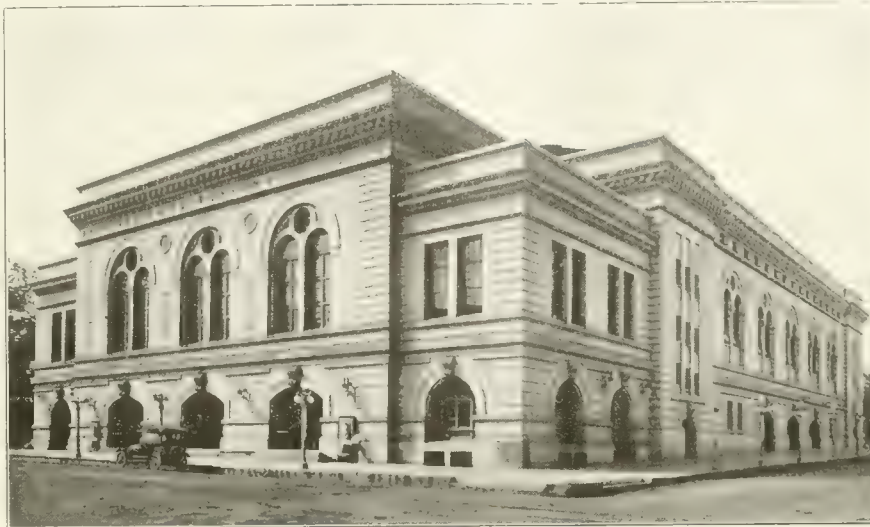
## A GREAT CONVENTION HALL FOR CLEVELAND.

The citizens of Cleveland, Ohio, overwhelmingly endorsed the building of a convention hall and the issuing of bonds for \$2,500,000 for the construction of same. Plans roughly sketched by City Architect Betz show a structure 270 feet wide by 430 feet long. The stage will be 116 feet across by 50 feet deep—the largest in the country. The amphitheater will be 114 by 300 feet. Seats on the main floor will be removable, thus making 92,000 square feet of display space available. The seating capacity will be 15,762. When completed no public hall in the world will come within 4,000, so far as seating capacity is concerned, according to Betz.

While no decision has yet been reached the hall probably will be faced with granite, to match the federal building, courthouse and new city hall. Especial attention will be paid to acoustics, while not a post will break the stretch of main floor.

The site is being appraised now. The location is on the mall and the building will be one of Cleveland's famous group plan of public buildings. Every effort will be made to finish the building in time to hold the next national flower show in it, according to the promise of the Mayor.

## HOUSTON CONVENTION NOTES.



CONVENTION HALL, HOUSTON, TEXAS

Three Blocks from the Rice Hotel. Five Blocks from the Convention Garden.

I wish to call the attention of the trade that it is not too late to receive exhibits for the Convention Garden. Our Garden is now an assured success. We have a great many substantial exhibits. The members of the trade should avail themselves of this opportunity of putting stock before the florist of the South. Remember that we will have a record breaking attendance from the South.

The southern florists are heavy buy-

ers. This is possibly the richest field for the wholesaler of any section of the country. Space rates are: Shrubs, evergreens, etc., 5c. per sq. ft. Blooming plants, 10c. per sq. ft. 150 to 250 sq. ft. will make an attractive medium exhibit.

Make shipment to C. L. Brock, Park Superintendent, Houston, Tex. Remember the florists of the South expect your co-operation.

R. C. KERR.

## VISITORS' REGISTER.

St. Louis—Guy Reyburn of A. Henderson Co., Chicago.; Morris Le Vine, New York; Frank Farney, Phila.

Cincinnati—Milton Alexander, New York; Mr. Anderson, Dayton; Geo. Lampert, Xenia; J. E. Jones, Richmond, Ind.

Pittsburgh—Milton Alexander, New York; S. Gieger, Robert Craig Co., Phila.; Mr. Van Leeuwen and son, Sassenheim, Holland.

Philadelphia—Thomas R. Fries, Lancaster, Pa.; Mrs. B. B. Carpenter, Pittston, Pa.; Mrs. Albert M. Herr, Lancaster, Pa.; Antoine Leuthy, Roslindale, Mass.

Chicago—W. C. Kaber, La Porte, Ind.; T. B. Comandros, St. Paul, Minn.; Walter Mott, representing Benj. Hammond, Beacon, N. Y.; John Lepes, Cedar Rapids, Iowa; John P. Hauck, Cleveland, O.; John M. Parks, Cleveland, O.; Thomas Bookedis, Indianapolis, Ind.

Boston—F. R. Pierson, Tarrytown, N. Y.; J. R. Fotheringham, San Francisco, Cal.; A. E. Thatcher, Bar Harbor, Me.; F. C. Green, Providence, R. I.; W. A. Manda, South Orange, N. J.; Robert Kift, Philadelphia; John Canning, Ardsley, N. Y.; Wm. Anderson, So. Lancaster, Mass.

Biddeford, Me.; Eber Holmes, So. Orange, N. J.; William Shields, Pasadena, Cal.

Washington, D. C.—Linwood K. Johnson, with F. Mosmiller, Richmond, Va.; George W. Strange, New York; C. Ph. Frenks, Paran Deursen, Sassenheim, Holland; Joseph J. Goudy, repr. H. A. Dreer, Phila.; A. Schravendell, repr. Segers Bros., Lisse, Holland; G. Papendrecht, repr. Van Zonneveld Bros., Sassenheim, Holland; Charles Niemann, repr. C. F. Meyer, New York; Sidney H. Bayersdorfer, Phila.; I. Rosnosky, Phila.; L. G. P. Aallersberg, repr. Aug. Corndis, Meirelbeke, Belgium.

## NEW CORPORATIONS.

Niles, Mich. — Niles Nursery Co., capital stock \$25,000.

Chicago, Ill. — Mangel & Co., capital stock, \$5,000. Incorporators, John Mangel, John Canger and Mrs. John Mangel.

New York, N. Y. — Henshaw Floral Co., Inc., florists, capital stock, \$10,000. Incorporators, W. R. Pierson, E. C. Worden and A. M. Henshaw.

Cincinnati—Miss Edith F. Kyrk is the recipient of the sympathy of her friends over the loss of her mother, Mrs. F. D. Kyrk, who died last Friday.

## BOSTON MAY EXHIBITION

The May exhibition by which the Massachusetts Horticultural Society has made its annual report to the public is a very successful one. It is the only one of its kind that has come up to the standard contemplated, due primarily to the excellent execution which was given to the exhibits in the various classes. On many of the items in the schedule there were no entries at all. Nevertheless the show was a good one. It attracted a very large audience and it better had art in arrangement and color balancing been given more consideration in the exhibits and this phase of modern flower and plant exhibiting is a plant of slow growth and we must not ask for more than it can do. At least two elegant examples of how to do it were given in the displays of F. R. Pierson of Tarrytown, N. Y., and Penn the Florist, of Boston. The former showed cut roses beautifully arranged in large vases with a view to tasteful effect, making a proud record in this respect and the latter made a shining example of what a retail florist may do in his splendid table of bronze floral baskets and vases in which Spanish irises, marguerites, snapdragons, etc., were combined with telling effect.

As on other recent exhibitions here the commercial growers were in the ascendancy on a number of classes formerly monopolized by the private experts. W. W. Edgar Co., captured the big prizes for French hydrangeas; A. M. Davenport gobbled the two \$100 prizes for azalea group and general plant group; Thomas Roland's showing of rambler roses which filled the entire stage in the lecture hall had no competitor and his group of Bougainvilleas was simply glorious; William Sim on sweet peas and on pansies, James Wheeler on yellow marguerites, for which a silver medal was awarded, Frank J. Dolansky on group of orchids—which won the gold medal,—the estate of A. Roper with the great cerise carnation named Albert Roper, which received a silver medal, Sam J. Goddard with his new crimson carnation Doris which got a certificate of merit and the splendid cut rose exhibits of Waban Rose Conservatories and McAlpine Bros.—all these as well as others not mentioned were very creditable to the commercial men.

One of the most interesting and valuable exhibits was that of Julius Henrlin of Blue Hill Nurseries, South Braintree, consisting of coniferous evergreens arranged in groups in the foyer. This collection, which was the most complete ever shown here numbered one hundred species and varieties of thuyas, junipers, pines, chamaecyparis, hemlocks, spruces, firs, taxus, etc., one fine specimen of each one known to be perfectly hardy in New England.

Naturally there was much in the displays as a whole of different character from what we are accustomed to see in shows at an earlier date. There were gloriosas gloxinias, calceolarias, fuchsias, streptocarpuses, verbenas, fancy caladiums and pelargoniums standard heliotropes, etc., and the list would have been still longer had the weather men kept up to time

Business District were not busy in evidence. Calceolaria Stewartii from several exhibitors made a fine impression. The collection of dwarfed and collected Japanese plants shown by Dr. J. P. Fitch of the Weld Garden was the most remarkable and valuable ever shown here. Imantophyllums, Rehmannia angulata Pink Perfection and a large group of hardy azaleas of the obtusa section were well shown by Charles Sander for the C. S. Sargent Estate and an especially fine group of rhododendrons from the Hunnewell Estate occupied the centre of the large hall. Mrs. J. L. Gardner, E. B. Dane, N. T. Kidder and other notable private places were well represented as the list of prize awards will show.

The formal opening of the exhibition took place on Wednesday evening under the direction of President Saltonstall and with an address by Gov. McCall in the presence of a large assemblage. The show remains open until Sunday night, May 14.

The interior of the large exhibition hall has been metamorphosed with a coat of gray paint which has not improved it any. The red brick walls have been a prolific cause for complaint for years but painted bricks are never pleasing to the eye and in this instance the effect of the long discussed improvement (?) is not particularly stunning.

### List of Prizes and Gratuities—Plants and Flowers.

**ANTHRITHUMS:** 1st Mrs. C. G. Weld, 2nd, Duncan Finlayson. **Azaleas,** group to cover not more than 200 sq. ft.: 1st, A. M. Davenport. **Four plants:** 1st, A. M. Davenport. 2d, Miss Cornelia Warren. **Calceolarias,** large flowering: 1st, Mrs. J. L. Gardner; 2d, E. A. Clark. **Stewartii:** 1st, Winthrop Ames. 2d, Miss Cornelia Warren. **Campanulas:** 1st, Miss Cornelia Warren. **Lilies:** 1st, Miss Cornelia Warren. **Tree Fern:** 1st, Weld Garden, gard. D. Finlayson; 2d, A. M. Davenport. **Fuchsias:** 1st, S. J. Goddard. **Heliotrope standard:** 1st, Faulkner Farm, gard. W. N. Chang. 2d, W. W. Edgar Co. **Hydrangeas,** group 150 sq. ft.: 1st, W. W. Edgar Co.; 2d, E. A. Clark, gard. Alex. McKay. **Four plants:** 1st, W. W. Edgar Co. 2d, W. T. Walke. **Marguerites:** 1st, Faulkner Farm; 2d, F. W. Fletcher & Co. **Orchids,** 200 sq. ft.: 1st, F. J. Dolansky. **Six plants, six varieties:** 1st, J. T. Butterworth. **Arcas:** 1st, Weld Garden. **Kentias:** 1st, Weld Garden. 2d, Mrs. J. L. Gardner. **Phoenix Roebellii:** 1st, Weld Garden. 2d, Mrs. Lester Leland. **Two specimens:** 1st, Weld Garden. **Show Pelargoniums,** twelve plants: 1st, Mrs. C. G. Weld. **Six plants:** 1st, Mrs. C. G. Weld; 2d, Miss Cornelia Warren; specimen: 1st, Mrs. C. G. Weld; 2d, Miss Cornelia Warren. **Zonale,** specimen: 1st, S. J. Goddard. **Rhododendrons,** group, 300 sq. ft.: 1st, Walter Hunnewell; 2nd, 200 sq. ft., banyan in Massachusetts. 1st, Walter Hunnewell; specimen: 1st, Walter Hunnewell. **Roses,** group, 200 sq. ft.: 1st, Thomas Roland. **Six Hybrid Perpetual Roses:** 1st, Miss Cornelia Warren; specimen: 1st, Miss Cornelia Warren. **Rambler Roses,** four varieties: 1st, Thomas Roland; specimen: 1st, Thomas Roland. **Schizanthus:** 1st, Mrs. C. G. Weld; 2d, Mrs. J. L. Gardner. **Verbenas,** in pots: 1st, Faulkner Farm. **Streptocarpus:** 1st, Mrs. J. L. Gardner; 2d, Mrs. C. G. Weld. **Artistic display of flowering and foliage plants,** not less than 200 sq. ft.: 1st, A. M. Davenport; 2d, W. W. Edgar Co. **Stove or Greenhouse foliage plants,** six plants: 1st, N. T. Kidder; flowering specimen: 1st, N. T. Kidder. **Standard Fuchsia:** 1st, S. J. Goddard. **Anthurium Display of Dwarf Japanese plants:** 1st, Weld Garden. **Miniature Japanese garden:** 1st, Kamekura & Senda; 2d, Penn the Florist. **Antirrhinums:** 1st, Faulkner Farm; 2d, S. J. Goddard. **Vase of flowers:** 1st, Mrs. C. S. Sargent.

## MAKE A BREAK FOR THE BEDDING PLANTS

They will "sell like hot cakes" for the next two weeks.

See the Ads of Pansies, Geraniums, Vincas, Lobelias and other good stock in this paper.

1st, Paul F. Reinwagen. 2d, Mrs. C. G. Weld, "Weld Pink." **Spanish Iris:** 1st, 1st, Mrs. C. G. Weld. **Marguerites,** yellow: 1st, James Wheeler. **Narcissus:** 1st, Mrs. C. S. Minot. 2d, Faulkner Farm. **Pansies:** 1st, William Sim; 2d, Charles T. Bensley & Co. **Roses,** display covering not more than 100 sq. ft.: 1st, F. R. Pierson Co. **Hybrid Tea,** fifty white: 1st, F. R. Pierson Co., white Killarney; 2d, McAlpine Bros.; fifty red: 1st, Waban Rose Conservatories, Hadley; 2d, McAlpine Bros. **Crimson Queen,** fifty pink: 1st, Waban Rose Conservatories, Mrs. Bayard Thayer; 2d, F. R. Pierson Co. **Ophelia:** fifty yellow: 1st, F. R. Pierson Co., Mrs. Aaron Ward; 2d, F. R. Pierson Co., Sunburst; twelve red (for private gardeners only): 1st, Mrs. C. G. Weld, Hoosier Beauty; twelve pink (for private gardeners only): 1st, Mrs. C. G. Weld, Mrs. Charles Russell; 2d, Mrs. C. G. Weld, Mrs. Moorfield Storey; twelve yellow (for private gardeners only): 1st, Mrs. C. G. Weld, Lady Hillingdon. **Sweet Peas,** display, 50 sq. ft.: William Sim. **Tulips,** twelve vases: 1st, Faulkner Farm; six vases: 1st, Weld Garden. **Darwin Tulips** (for private growers only): 1st, Weld Garden.

**Gratuities:** Mrs. C. G. Weld, gard. W. C. Rust, hanging baskets of Fuchsia; Eady Bros., Ixias and Ranunculus; Ernest B. Dane, vase of Eschscholtzia; Mrs. C. G. Weld, group of Schizanthus; Winthrop Ames, group of Calceolaria Stewartii; Thomas T. Watt, standard Hydrangea; Ernest B. Dane, Hydrangea Otakura; Faulkner Farm, Hydrangea Otakura; Mrs. J. L. Gardner, Hydrangea; E. A. Clark, Antilhe; Thomas Roland, Bougainvillea Sanderlana; Miss Cornelia Warren, Orchids; Ernest B. Dane, flowering and foliage plants; N. T. Kidder, flowering and foliage plants; Miss Cornelia Warren, flowering plants; Thomas T. Watt, flowering plants; Blue Hill Nurseries, Hardy Evergreens.

**Gold Medal:** Prof. C. S. Sargent, group of Azaleas.

**Silver Medals:** Albert Roper Estate, Carnation Albert Roper; James Wheeler, superior cultivation of Marguerite Etolle d'Or; Weld Garden, Japanese Dwarf Plants; A. W. Preston, gard. J. L. Smith, Brassavola Maroonae (Cattleya gigas × Brassavola Digbyana); Blue Hill Nurseries, collection of Hardy Evergreens; Thomas Roland, Bougainvillea Sanderlana; Penn the Florist, arrangement of flowers for home use.

**First Class Certificate of Merit:** S. J. Goddard, Carnation Doris; Prof. C. S. Sargent, Cytopodium punctatum.

**Honorable Mention:** Walter Hunnewell, Laello-Cattleya Waban; F. W. Fletcher Co., Delphinium Clevedon Beauty; Prof. C. S. Sargent, seedling Rhododendron (R. Smirnowii); Garden Var.; Pierce Bros., new Rose Tip Top; E. H. Wetterlow, new Geranium Mrs. Lester Leland; Prof. C. S. Sargent, group of Rehmannia angulata Pink Perfection.

**Vote of Thanks:** Walter Hunnewell, Acaela armata, group of large plants; Prof. C. S. Sargent, Wisterias and Imantophyllums; R. & J. Farquhar & Co., garden arrangement.

## SEED TRADE

### AMERICAN SEED TRADE ASSOCIATION

Officers—President, J. M. Lupton, Mattituck, L. I., N. Y.; First Vice-President, Kirby B. White, Detroit, Mich.; Second Vice-President, F. W. Bolgiano, Washington, D. C.; Secretary-Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, S. F. Willard, Jr., Cleveland, O. Chicago, Ill., June 20-22, next meeting place.

#### A Late Spring.

Vegetation is slow in developing this year, the trees in many parts of the country just showing the green of the first leaves, while pear, apple and peach trees are not yet in blossom, excepting a few favored localities. Notwithstanding the slow development, it seems to be continuous and possibly may prove a fortunate circumstance in the event of late frosts. Counter trade throughout the eastern and central states is at high water mark for the season, but nevertheless dealers generally feel that the cold, unfavorable weather has robbed them of a considerable volume of business which they cannot hope to recover this year.

#### Crop Conditions.

Our summary of crop conditions is rather incomplete at this time, for the reason that we are unable to secure satisfactory information from European sources. Moreover, there are no assurances that we shall be able to get such seed crops as are harvested in most of the countries of Europe. Nothing can be expected from the Central Powers because of the blockade, while such countries as Holland, Denmark and even France and England are declaring embargos on certain lines of seeds, making the entire question of European supply doubtful. If we are able to get anything more definite than the rumors which have reached us up to this time, we shall be very glad to give them to our readers.

#### Root Crops.

We believe it is generally understood by the trade that American growers of seeds have been making efforts to meet the expected and inevitable shortage in European supplies, particularly in the line of biennials. We understand that the root crops have carried over in fairly satisfactory condition in the East, but they are going into the ground rather late, which is something of a handicap. The principal biennials grown in the East are beets, carrots and turnips, the latter rather limited as to quantity. Very little onion seed is now grown in the East as it has been found unprofitable, due largely to the annual blighting of the crop.

#### Pea Shortage Probable.

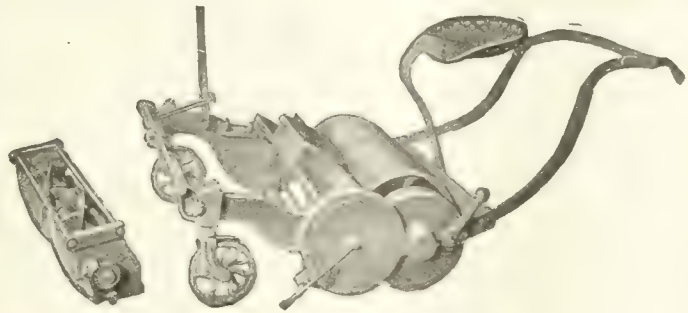
Peas are going into the ground late, both those for canners' use and for seed purposes. In many sections seeding of peas is from three to five weeks late, and although most of the canners have decided to materially reduce their acreage their first plantings have been so late that they will not be able to get out their entire acreage excepting by planting so closely together that the various plantings are

liable to mature more or less at one time, which would overwhelm the canner and prevent him from packing the peas and produce good quality. This is likely to have a very marked influence on the general pack the coming season and is quite liable to result in more or less of a shortage, which will probably bring about a marked advance in prices, but which may in the end prove a blessing to the canners. Peas planted for seed purposes in the East, principally in Michigan and Wisconsin, will be more or less under the same handicap and some experienced growers are predicting a short crop of seed. This of course is anticipating events but we believe that both experienced canners and seed growers agree that a late

planting is never a promise of a good crop.

#### California Seed Crops.

With reference to California seed crops, we are informed that with two or three notable exceptions conditions are fairly good. Rain is needed for most crops yet it is feared that the result would be more or less disastrous to the onion seed crop and to the small remnant left of salsify. It seems to be the opinion of the California growers that without rain onion seed will probably prove a fair crop but other crops would benefit. Summarizing the situation from what we have been able to learn, we believe that seed crops in general will not suffer materially for want of rain,



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Coldwell "Threesome"—three mowers drawn by one horse, and cutting an 87-inch swath.

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Trade Packet, 20c., Oz., 75c.

Sweet Peas, Cyclamen, Primulas, Lily of the Valley, from Our Own Cold Storage Plant.

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Brenchleysensis, red .....	1.25	10.00
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Sweet Pea Ranch Lompoc, Cal.

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Best Winter Flowering Pink Snapdragon on the market. Per pkt., \$1.00; 6 pkts. for \$5.00.

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### TENERIFFE BERMUDA ONION SEED

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Letter postage to Teneriffe, 5 cents.

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**John Lewis Childs, Inc.**

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IMPROVED ECLIPSE.  
Superior to all others for winter blooming, exhibition, or cutting. Immense fragrant spikes 10 to 15 inches long. Greenhouse grown seed from a re-selected strain. 100 lbs., 1 lb. oz. \$1.00. Catalogue upon application.

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**Of Interest to Retail Florists****NEW FLOWER STORES.**

Eastport, Me. — S. A. Parlin, South End Bldg.

Watertown, S. D. — V. Christensen, Tarbell bldg.

Eau Claire, Wis. — A. F. T. Lauritzen, Frawley bldg.

Cincinnati, O. — E. A. Foster, 128 West 4th street.

Swampscott, Mass. — H. C. Bates, Humphrey street.

Bridgeport, Ct. — James Horan & Co., Fairfield avenue.

Brockton, Mass. — Belmont Flower Shop, Belmont street.

Medford, Mass. — Medford Flower & Gift Shop, 42 Salem street.

Cleveland, O. — Edward A. Fettes, removing to 1635 Woodward avenue.

Scranton, Pa. — A. L. Besancon & Co., Adams avenue and Spruce street.

Portland, Ore. — Oscar Johnson, 768 Gleason street. Martin & Forbes, removing June 1st to Washington and Park streets, Morgan bldg.

**BUSINESS TROUBLES.**

Buffalo, N. Y. — Fred A. Katoll, florist, 10 Summer street, assets, \$465; liabilities, \$1,972.03.

Cleveland, O. — James Eadie Co., florists, voluntary petition in bankruptcy; assets, \$3,857.21; liabilities, \$6,249.27.

**NEWS NOTES.**

Portland, Me. — Dennett, the florist, has just purchased the Portland Flower Store, directly across the street. The new establishment will be conducted in addition to the old one and will be under the management of Miss Helen Nixon.

Asheville, N. C. — Allison's Flower Shop, in Asheville, N. C., has purchased the West Asheville greenhouses and will make a number of repairs and additions to them. Shelby Griffith, who has had a wide experience in the florists' business will come from Pittsburgh, Pa., to assume charge of this new enterprise.

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*Jinn* The Florist ?  
4 Park St., Boston, Mass.

Because Satisfaction  
Is Guaranteed

Established 1874

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N. E. Cor. 44 St. & Madison Avenue, N. Y. City  
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Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardsflor.

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**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.  
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At your service to deliver Flowers or Designs on Order by Telegraph or otherwise. Prompt Reliable Service.

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The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

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**THE ROSERY**

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Prompt Auto Delivery  
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5523 Euclid Ave.  
Will take good care of your orders  
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**F. H. KRAMER**  
Auto delivery of Designs and Flowers to  
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Stock and Work First Class

Orders Filled Day or Night for  
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and State of Ohio  
Complete Stock. Regular discount to Trade.  
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735 Euclid Avenue  
**CLEVELAND, OHIO**  
Flowers of Every Kind in Season

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38 Main Street, West  
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ANDERSON service means fresh, sturdy  
Stock and prompt deliveries in BUFFALO,  
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125,000 Sq. Ft. of Glass  
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Leading Retail Florists Listed by  
Towns for Ready Reference. Orders  
transferred by telegram or otherwise  
to any of the firms whose address is  
here given will be promptly and prop-  
erly filled and delivered.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl  
St.  
Albany, N. Y.—The Rosery, 23 Steuben  
St.  
Albany, N. Y.—William C. Gloeckner, 97  
State St.  
Boston—Thos. F. Galvin, 1 Park St.  
Boston—Penn the Florist, 124 Tremont  
St.  
Boston—Zinn the Florist, 4 Park St.  
Buffalo, N. Y.—S. A. Anderson, 440 Main  
St.  
Buffalo, N. Y.—Palmer's, 304 Main St.  
Chicago—William J. Smyth, Michigan  
Ave. and 31st St.  
Cleveland, O.—J. M. Gasser Co., Euclid  
Ave.  
Cleveland, O.—Adam Graham & Sons,  
5523 Euclid Ave.  
Cleveland, O.—Knoble Bros., 1836 W. 25th  
St.  
Cleveland, O.—The Smith & Feters Co.,  
735 Euclid Ave.  
Denver, Col.—Park Floral Co., 1643  
Broadway.  
Detroit, Mich.—J. Breitmeyer's Sons,  
corner Broadway and Gratiot Ave.  
Houston, Tex.—Kerr, The Florist.  
Kansas City, Mo.—Samuel Murray, 1017  
Grand Ave.  
New London, Conn.—Reuter's.  
New York—David Clarke's Sons, 2139-  
2141 Broadway.  
New York—Alex. McConnell, 611 5th Ave.  
New York—Young & Nugent, 42 W. 28th.  
New York—Dards, N. E. corner 44th St.  
and Madison Ave.  
New York—Max Selling, 22 W. 50th St.  
New York—G. E. M. Stumpp, 761 Fifth  
Ave.  
New York—Thos. F. Galvin, Fifth Ave.,  
at 46th St.  
New York—A. T. Bunyard, 413 Madison  
Ave., at 48th St.  
Norwich, Conn.—Reuter's.  
Omaha, Neb.—Hess & Swoboda, 1415  
Farnum St.  
Rochester, N. Y.—J. B. Keller Sons, 25  
Clinton Ave., N.  
Rochester, N. Y.—Salter Bros., 38 Main  
St., West.  
San Francisco—Pelicano, Rossi & Co., 123  
Kearny St.  
St. Louis, Mo.—Fred C. Weber, 4326-28  
Olive St.  
St. Paul, Minn.—Holm & Olson, Inc.  
Tarrytown-on-Hudson, N. Y.—F. R. Pier-  
son Co.  
Toronto, Can.—J. H. Dunlop, 8-10 West  
Adelaide St.  
Washington, D. C.—Gude Bros., 1214 F  
St.  
Washington, D. C.—F. H. Kramer, 915  
F St., N. W.  
Washington, D. C.—George H. Cooke,  
Connecticut Ave. and I. St.  
Westerly, R. I.—Reuter's.  
Worcester, Mass.—H. F. A. Lange.  
Worcester, Mass.—Randall's Flower Shop,  
3 Pleasant St.

*Penn The Florist*

"The Telegraph Florist"

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124 Tremont St., BOSTON

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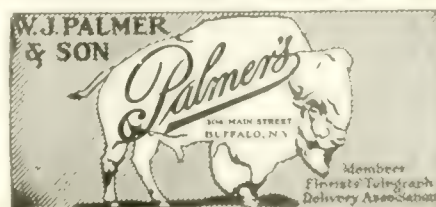
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Flowers or Design Work

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## NEWS ITEMS FROM EVERYWHERE

### BOSTON

M. J. Roshergen, of Boskoop, Holland, spent sixteen days on the water enroute to the United States. The bulb salesmen come by the way of the north of Scotland this year.

George Cartwright, who has been confined to the hospital for over a week, is now home and looking as well as ever.

Harry Quint has a factory on Bromfield street, where a half-score of men are turning out Memorial Day wreaths. Sam Liebman is in charge and reports an output of 500 a day.

During the recent "Clean-Up" campaign in Malden, 500 new trees were set out by the school children. In Walpole, 1,000 trees were planted. Tree practice is one that should be encouraged.

Suburban retailers are beginning to appreciate the value of first-class delivery service and many are installing automobiles. Fred Kaulback of Malden and C. B. Jones of Woburn are among those who have recently added delivery trucks.

"Gazing sticks" are becoming popular. Thomas F. Galvin Co. are making a specialty of them. A quicksilver-lined glass ball is mounted on the end of a sort of cane. The ball reflects images of all surrounding objects, and if thrust in the centre of a garden plot will reflect the entire scene.

Chairman John Dillon of the Park and Recreation Department announces that next Sunday will be tulip Sunday in Boston. He is placing high hopes on this year's display. May 21 was the day originally set for the show. Boston's tulip display always attracts universal attention.

St. Louis.—J. J. Beneke, who is on the retired list for the present, spent a very pleasant week visiting friends in the trade at Chicago. Mr. Beneke has nothing to report as to his future plans for the present.

Adolph Steidle, who for the past two years was with the Vandevort's floral department, gave up his position May 6 and has taken charge of his father's greenhouse plant at Olivette, Mo.

FLOWERS BY TELEGRAPH

**SAN FRANCISCO**  
CALIFORNIA

**Pelicano, Rossi & Co.**  
128 KEARNY ST.

**F. R. PIERSON CO.**

FLORISTS AND  
PLANTSMEN

TARRYTOWN-ON-HUDSON, N. Y.

### PHILADELPHIA

Horticulture said a fine thing about William E. Doyle recently in remarking that in his early days he became famous by his artistic ability and in making a better show with poorer materials than any other Boston florist of his day and generation.

another way of saying that he was a genius. One of the best definitions of a genius to my mind is that given by Thomas Carlyle. "A genius," said he, "is a man who can make the commonplace interesting." The more you think of it the better that fits from Shakespeare to Doyle.

And in that connection we have to record the passing of the Battles store at 108 South 12th street to make room for a new bank building. Out of very little Harry Battles made out of this modest and cramped location by sheer genius and personality the most unique flower store—an artistic triumph—ever new and ever interesting. Every inch of space had its use. Yet nothing was ever overdone. The story was told strongly and yet there never was a shout in it. Battles has the gift of making you "sit up and take notice" without shouting. While "Terra Firma" on her axis remains to turn, the fragrant memory of 108 will ever remain with us. The new location is now two doors below, and we may look for things to happen.

Alfred M. Campbell, one of our wide-awake growers and also a commission man of distinction wishes me to convey to the editor of Horticulture his appreciation of the editorials for which the paper has been noted from its start a dozen years ago; and in especial, his delight with two of recent date, one on the Spanish iris, the other on roses Hadley and Ophelia. We wanted to know why he didn't do his own bouquet throwing, as it is well known that there is a standing feud between ourselves and the blup pencil. But Alfred was equal to the occasion and countered with, "Well, you see, you can say it so much nicer than I could." After a personal bouquet like that, the standing grouch had to take a back seat for the time being, which explains why this paragraph; and if it is not a peerless monograph to our magnanimity we'd like to know what you'd call it!

### WARETOWN, N. J.

The Tamarix hedge seems to have suffered more than anything else during the winter at Waretown. The commodore reports everything else normal and blooming. Mr. and Mrs. John Westcott enjoyed a few days at the farmhouse, May 4 to 8. The McTavish is still on the rocks. The next move will be garage charges. That ought to start some movement by the New York owners. Say a dollar an hour for twelve months! How much is that? We can't stand having our scenery spoiled by a derelict or a load of bricks. G. C. W.

### CHICAGO.

George Perdikas has opened a third retail store at 23 W. Jackson Blvd.

J. J. Mohrle, who bought the second store at 23 W. Chicago avenue two years ago, has now sold out to A. Behrens.

M. J. Roshergen, of Boskoop, Holland, spent sixteen days on the water enroute to the United States. The bulb salesmen come by the way of the north of Scotland this year.

The Alpha Floral Co. will have a special sale of roses for the week end. Louis Eisner will leave The Alpha about June 1st to be associated with the Covent Garden Corporation.

J. Mangel has the large silver cup won for artistic bride's bouquet as the center window setting this week, accompanied by specimen bouquets. Wedding orders are starting in early at this store.

Rudolph Mohr, of A. Lange's, has a badly lacerated hand as the result of his losing control of the elevator which runs to the upper work room. The ends of two fingers were taken off. A. MacKenzie, who has charge of the plant section here, says that it has been an exceptionally good season.

The largest wedding of the season took place last week. The church was filled with plants and cut flowers. Six dozen large hydrangeas were banked at the sides of the front and the center front filled with lily plants. The pews had bunches of lilies fastened to them and these rows terminated in seven-foot vases filled with lilies. At the house the living rooms were bowers of Ophelia roses, a lattice work 22 feet wide forming a back ground for the bridal party. The dining room was done with Tausendschoen roses of which one hundred large plants were used and thousands of cut roses were about the rooms. C. A. Samuelson had the order and Ed. Enders, who has been with him 28 years, executed it.

### WASHINGTON, D. C.

Congressman Slayden has introduced a bill into the House of Representatives providing for the removal of

**HIGH GRADE PLANTS**  
For Retail Stores a Specialty

ASK FOR LIST

THOMAS ROLAND, Nahant, Mass.

**ROBERT DYSART**  
CERTIFIED PUBLIC ACCOUNTANT

Simple methods of correct accounting  
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BOOKS BALANCED AND ADJUSTED.  
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Get your supplies NOW and have them on hand to show to your customers

**METALLIC WREATHS, ANCHORS, CROSSES**, beautifully decorated with flowers on white or green foliage. Our designs are wonderful in their true-to-nature perfection.

**MAGNOLIA WREATHS, CYCAS LEAVES and WREATHS, FOR MOTHER'S, MAY 14th, WHITE CARNATIONS**, very fine. \$1.80 per 100; large size, \$2.00 per 100

**WAX FLOWERS**, good to work in Magnolia Wreaths Sweet Peas, Carnations and Roses.

**CREPE FLOWERS** of every variety—Lilies, Orchids, Mums, Dahlias, Carnations, Roses and crepe Cape Flowers.

Baskets in Wonderful Variety of Shape and Tint, Brazilian Willow Baskets, Porto Rican Mats, Silk Fibre Ribbon, Japanese Novelties in Decorative Material, School Graduation and Commencement Specialties, etc., etc.

*Send for Silent Salesman's Supplement*

THE FLORISTS' SUPPLY HOUSE OF AMERICA

**H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.**

the Botanic Garden from its present site at the foot of the Capitol to Rock Creek Park, where it would be out of the reach of the thousands of ordinary people of the city who are not possessors of automobiles, but where it would be a distinct advantage to owners of certain real estate, and to transfer its control to the Department of Agriculture. The measure has been referred to the Committee on the Library.

The U. S. Court of Customs Appeals, in the case of H. Bayersdorfer & Co., has reversed the decision of the Board of General Appraisers which had upheld the assessment of duty at the rate of 60 per cent. ad valorem on dried and dyed immortelles and wreaths of immortelles having a straw frame, under paragraph 347 of the tariff act as ornamental flowers and as wreaths wholly or in chief value thereof. The importers claimed them dutiable under paragraph 210 as cut flowers, preserved or fresh, either directly or by similtude, or as unenumerated articles under paragraph 385, the court upholding them as to the former paragraph.

## PERSONAL.

Mr. and Mrs. David Francis Roy of Marion, Mass., have announced the engagement of their daughter, Ethel Violet, to Mr. Roland Starr Dominie of Lynn.

Douglas C. Eccleston, recently in charge of Mr. Mackenzie's greenhouses in Woodstock, Vt., has taken a position in Thomas Young's orchid establishment in Bound Brook, N. J. Ernest Morris succeeds Mr. Eccleston at the Mackenzie place.

## Obituary

Eric Guy Sutton.

We learn with deep regret of the death in action of Lieutenant Eric Guy Sutton, second son of Mr. Leonard Sutton, Mayor of Reading, Eng. The late Lieut. Sutton was educated at Rugby, and on leaving school spent a year in France, and then proceeded to a tour in America, preparatory to entering the firm of Messrs. Sutton & Sons, at Reading. He returned home on the outbreak of war, joined H. M. forces, and was gazetted to the Royal Sussex Regiment in September, 1914. In the spring of last year he went to the front, and at once showed such ability that he gained his lieutenancy in the following June, as recorded in these pages. Lieut. Sutton received the Military Cross for conspicuous gallantry on the night of September 12, 1915, near Armentieres. Together with another officer he entered a mine, which was in a highly dangerous state, owing to the gas fumes following an explosion, in order to rescue a man who has been overcome. Their prompt action undoubtedly saved the man's life. He received the decoration at the hands of the King at Buckingham Palace on February 23 of this year. Lieut. Sutton returned to the front in May, and had been almost continuously in the fighting line. Three of Mr. Leonard Sutton's sons are serving, and two of them are at the front. No words can express the sorrow of those who knew Lieut. Sutton. Young and full of life, alert, and possessed of a rare charm, the war showed yet another side of his character. His natural gaiety proved itself to be, as oftentimes it is, the manifestation of

a brave heart "that looks on tempests and is never shaken." His ready courage made high duties easy and empowered him to do noble things with quiet confidence and strength. All that can be said in the vain desire to solace the sorrow of his friends and to help his father and his relations to support their grief, is that he did his duty like an Englishman, and he died for his country. Grief for his death and poignant regret at the shattering of such promise must always remain; but so also will remain the shining memory of a youth who was equal to the sternest call that fate may make of man; who, though his days were brief, won imperishable honor.—*The Gardeners' Chronicle*, April 22.

William G. Rowand.

Wm. G. Rowand, for many years in charge of the warehouse of Henry A. Dreer, Philadelphia, Pa., died on Wednesday morning, May 10, at his home Haddonfield, N. J. He had been a member of the Dreer force for thirty years, and by his faithful and loyal service had gained the confidence of his employers and also the high regard of his fellow workers. Funeral services at his home on Sunday afternoon, May 14.

Walter Angus.

Walter Angus, gardener on the Lyman Estate, Waltham, Mass., for a number of years, died on Monday, May 1, after a brief illness. Mr. Angus is survived by three daughters.

Herman N. Bradshaw.

Herman N. Bradshaw, a veteran florist in business for the past forty years, died on May 6 at his place near Ossining, N. Y.

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Necessity

# HART'S HANDY HANDLE

Fits securely on any standard pot and by the use of a little chiffon or ribbon gives you a Basket effect at a very small additional expense, increasing the price of your plants 100 per cent.

1	12 inches high,	\$2.50 per doz.	4	24 inches high,	\$5.00 per doz.
2	15 " "	3.50 " "	5	30 " "	0.50 " "
3	18 " "	4.00 " "	6	36 " "	9.00 " "

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**GEO. B. HART, Manufacturer, 24 to 30 Stone Street, Rochester, N. Y.**

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When in need of  
**BEAUTIES**

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**WHOLESALE FLORIST**  
1619 - 21 Ranstead St., Philadelphia, Pa.  
CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES  
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We manufacture all our  
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and are dealers in  
Decorative Glassware, Growers and  
Florists' Requisites

**Wired Toothpicks**

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**W. J. COWEE, Berlin, N. Y.**  
10,000...\$1.85. 50,000...\$8.00. Sample free.  
For sale by dealers.

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If interested, send us your name and address for our weekly price list

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Daily consignments from leading growers Full line of Florists' Supplies Write for quotations before ordering elsewhere  
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Telephone, Main 6267-6268

**WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY**

	BOSTON May 11		ST. LOUIS May 8		PHILA. May 8	
<b>Roses</b>						
Am. Beauty, Special	20.00	to 25.00	25.00	to 35.00	15.00	to 20.00
" " Fancy and Extra	15.00	to 20.00	15.00	to 20.00	8.00	to 12.50
" " No. 1	4.00	to 8.00	4.00	to 8.00	2.00	to 6.00
Russell, Hadley	4.00	to 12.00	6.00	to 15.00	2.00	to 15.00
Killarney, Richmond, Hillingdon, Ward, Extra	3.00	to 6.00	8.00	to 10.00	6.00	to 8.00
" " Ordinary	1.00	to 2.00	4.00	to 6.00	2.00	to 4.00
Arenburg, Radiance, Taft, Key, Extra	4.00	to 6.00			6.00	to 8.00
" " Ordinary	3.00	to 4.00			3.00	to 4.00
Ophelia, Mock, Sunburst, Extra	4.00	to 8.00	8.00	to 10.00	5.00	to 10.00
" " Ordinary	2.00	to 4.00	4.00	to 6.00	3.00	to 4.00
Carnations, Fancy	2.00	to 3.00	4.00	to 5.00	3.00	to 3.00
" " Ordinary	1.00	to 1.50	1.00	to 3.00	1.00	to 2.00
Cattleyas	40.00	to 50.00	50.00	to 75.00	50.00	to 60.00
Dendrobium formosum		to 35.00				
Lilies, Longiflorum	6.00	to 8.00	4.00	to 6.00	6.00	to 8.00
" " Rubrum			4.00	to 6.00		
Callas	7.00	to 8.00	4.00	to 6.00	6.00	to 8.00
Lily of the Valley	4.00	to 5.00	3.00	to 4.00	2.00	to 3.00
Daisies	1.00	to 2.00	2.00	to 3.00	.50	to 1.00
Violets	.40	to .50				
Mignonette	2.00	to 4.00	3.00	to 4.00	1.00	to 4.00
Snapdragon	4.00	to 8.00	3.00	to 5.00	1.50	to 10.00
Daffodils	.25	to 1.00	3.00	to 4.00	1.00	to 2.00
Gladioli	6.00	to 10.00	6.00	to 8.00	3.00	to 6.00
Tulips	2.00	to 3.00	3.00	to 4.00		
Hyacinths	1.00	to 2.00	3.00	to 4.00		
Freesia						
Calendulas	1.00	to 2.00	2.00	to 3.00	1.00	to 3.00
Lilac	.25	to .50	.25	to .75	.15	to .25
Sweet Peas	.25	to .75	.25	to 1.00	.40	to 1.00
Gardenias	12.00	to 20.00			3.00	to 10.00
Adiantum		1.00	1.00	to 1.25		1.00
Smilax	12.00	to 16.00	12.00	to 15.00	20.00	to 30.00
Asparagus Plumosus, & Spreng. (100 Bolls)	25.00	to 35.00	30.00	to 50.00	25.00	to 50.00

**WILLIAM F. KASTING Co.**  
**Wholesale Florists**  
**383-387 ELLICOTT ST. - - - BUFFALO, N. Y.**

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184 North Wabash Avenue, CHICAGO  
ROSES, VALLEY and WHOLESALE CUT FLOWERS  
CARNATIONS GROWER of  
A Specialty

## Flower Market Reports

**BOSTON** Gloom and dull trading have settled on the Boston market and to all indications they are here for an extended visit. It is fortunate that growers are not sending in large quantities of stock or a complete tie-up would result, for the market is crowded and dragging heavily even under present conditions. Carnations, always indicative of the market's tendencies are going poorly. Normal prices are being asked nevertheless. Roses are doing the best of anything, but short Beauties established a new minimum price record by selling for a cent a piece. Daffodils are sluggish, and irises and snapdragons may be placed in the same category. The one redeeming feature is the scarcity of some stock. Cattleyas especially are barely obtainable. Lilies stand motionless on the shelves with callas doing likewise, and when the receipts for the week are summed up they will be far from encouraging to the majority of salesmen. It is the poorest week experienced thus far for the year.

Receipts have been heavy on all lines. Roses are overplentiful. Only the best have found an outlet and then high prices were out of the question. It is a matter of "how much will you give?" The bargain sign was not only seen at the end of the week but daily. Up to Thursday last the supply of carnations was also heavy, but on Saturday they cleaned up quite satisfactorily. Lilies are flooding the market, which should have been in for Easter, and indoor bulbous stock has been overplentiful. There is considerable outdoor material now. Beauties are in heavy supply, with sale only light. Sweet peas are in abundance. Prices generally have been discouraging. On Monday, May 8, the market opened brisk and trade throughout the day was good. There is considerable speculative buying being done and it looks like a good windup.

Generally cool weather **CHICAGO** has kept stock in prime condition so far and trade has been all that could be desired. Some days stock moves faster than others but there is no quiet time and practically everything cleans up at good prices. Cattleyas and gardenias continue scarce. Of roses there are plenty of all kinds. Mrs. Russell is especially good and abundant now. Carnations are advancing in price as Mother's Day draws near and there are plenty of opinions expressed regarding the effect upon that day, but no one seems to have solved the problem. Wholesalers are turning as many of the carnation orders as possible into other channels and roses will be substituted. Snapdragons were never better, calendulas are as much in favor as ever and iris is selling well. Sweet peas are coming fast. Smilax is scarce. Other green is in sufficient quantity. Outdoor tulips, daffodils, etc., are now coming. All the retail florists are showing appropriate boxes for Mother's Day offerings and the windows are filled with most attractive color combinations. "Russian Sta-



## Mrs. Charles Russell

As the weather gets warmer the quality of this wonderful rose really improves, and splendid stock it is.

	Per 100
Special	\$15.00
Fancy	12.00
Extra	10.00
First	8.00
Second	6.00

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1608-1620 Ludlow St.  
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117 W. 28th St.  
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WASHINGTON  
1216 H St., N. W.

## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI May 8	CHICAGO May 1	BUFFALO May 8	PITTSBURG May 8
<b>Roses</b>				
Am. Beauty, Special	35.00 to 40.00	30.00 to 40.00	20.00 to 25.00	20.00 to 25.00
" " Fancy and Extra	25.00 to 30.00	20.00 to 30.00	15.00 to 20.00	10.00 to 15.00
" " No. 1	15.00 to 20.00	10.00 to 15.00	8.00 to 10.00	6.00 to 8.00
Russell, Hadley	8.00 to 15.00	4.00 to 25.00	6.00 to 8.00	4.00 to 12.00
Killarney, Richm'd, Hill'don, Ward	8.00 to 12.00	8.00 to 12.00	4.00 to 6.00	0.00 to 12.00
" " "Ord.	4.00 to 6.00	3.00 to 6.00	3.00 to 4.00	..... to 4.00
Arenburg, Radiance, Taft, Key, Ex.	8.00 to 12.00	8.00 to 12.00	6.00 to 8.00	0.00 to 12.00
" " "Ord.	4.00 to 6.00	3.00 to 6.00	3.00 to 4.00	..... to 4.00
Ophelia, Mock, Sunburst, Extra	8.00 to 12.00	8.00 to 15.00	6.00 to 8.00	6.00 to 12.00
" " "Ordinary	4.00 to 6.00	3.00 to 5.00	3.00 to 6.00	..... to 4.00
<b>Carnations, Fancy</b>	4.00 to 5.00	3.00 to 5.00	2.00 to 3.00	4.00 to 6.00
" " Ordinary	..... to 3.00	2.00 to 3.00	1.00 to 1.50	2.00 to 3.00
<b>Cattleyas</b>	60.00 to 75.00	50.00 to 75.00	40.00 to 50.00	60.00 to 75.00
Dendrobium formosum	..... to .....	..... to .....	..... to .....	..... to .....
Lilies, Longiflorum	8.00 to 10.00	8.00 to 12.00	6.00 to 10.00	6.00 to 8.00
" " Rubrum	..... to .....	..... to .....	3.00 to 5.00	..... to .....
Callas	6.00 to 8.00	6.00 to 12.00	6.00 to 10.00	8.00 to 10.00
Lily of the Valley	..... to 5.00	3.00 to 4.00	4.00 to 5.00	4.00 to 5.00
Daisies	..... to .....	1.00 to 2.00	1.00 to 2.00	1.50 to 3.00
Violets	..... to .....	..... to .....	.40 to .50	..... to .50
Mignonette	..... to .....	4.00 to 6.00	2.00 to 3.00	3.00 to 4.00
Snapdragon	6.00 to 10.00	6.00 to 12.00	3.00 to 6.00	4.00 to 8.00
Daffodils	..... to .....	..... to 2.00	1.00 to 2.00	2.00 to 3.00
Gladioli	4.00 to 6.00	..... to .....	..... to .....	..... to .....
Tulips	..... to .....	2.00 to 3.00	1.00 to 2.00	..... to .....
Hyacinths	..... to .....	..... to 2.00	1.00 to 3.00	..... to .....
Freesia	..... to .....	..... to .....	..... to .....	..... to .....
Calendulas	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 4.00
Lilac (per bunch)	..... to .....	..... to .....	.25 to 1.00	..... to .....
Sweet Peas	.35 to .75	.75 to 1.50	.50 to 1.50	.50 to 1.50
Gardenias	..... to .....	..... to .....	10.00 to 25.00	..... to .....
Adiantum	..... to 1.00	1.00 to 1.50	1.00 to 1.25	1.00 to 1.25
Smilax	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	..... to 20.00
Asparagus Plu. & Spreu (100 Bhs.)	25.00 to 90.00	25.00 to 50.00	40.00 to 50.00	30.00 to 50.00

## NEW CROP

CALDWELL THE WOODSMAN CO., - EVERGREEN, ALA.

tice" just now adds a graceful touch to many baskets, among the most pleasing combinations being tall spikes of fox glove with the statice, and another of sweet peas, roses and statice. The stay of the trailing arbutus was very short as well as very sweet, plenty of spring rain contributing to both results.

Business has been fair, supply large and demand good. The outlook for Mother's Day is very promising. All roses are in good supply and the carnation cut is large. Lilies are too plentiful. Lily of the valley and orchids are plentiful. Outdoor Spanish

iris has been having an excellent market.  
Fancy \$1.35 per 1000  
Dagger \$1.15 per 1000  
Green Sheet Moss for hanging baskets \$1.75 per bag  
Perpetuated Moss \$3.50 per bag  
Hu. kleberry Foliage \$2.50 per case  
L. v. ata (EVERGREEN OAK) \$2.50 per case

The flower market

**NEW YORK** has been in an unsatisfactory condition during the past week. Outside of a few minor impulsive capers it has been almost moribund and as stock is coming in very freely on most lines the situation has been very exasperating for anyone having to try to sell the goods. Prices have no stability. Large quantities of standard material is gladly unloaded by the commission houses and growers' markets for whatever they will bring and anybody

(Continued on page 175)

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Choice Cut Flowers

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Call and inspect the Best Establishment  
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**THE KERVAN COMPANY**

Ferns, Mosses, Wild Smilax, Galax,  
Lencothoe, Palmetto, Cycas, both fresh  
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Laurel, Hemlock, all Decorative Evergreens.  
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A Full Line of ALL CUT FLOWERS.  
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HEADQUARTERS FOR NOVELTIES

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THE HIGHEST GRADE OF VALLEY ALWAYS  
GARDENIAS, DAISIES, ROSES, CARNATIONS

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WHOLESALE FLORISTS, 34 West 28th St., New York

Telephones 1664 1665 Madison Square

CONSIGNMENTS SOLICITED

**NEW YORK QUOTATIONS PER 100. To Dealers Only****ROSES AND CARNATIONS**

	Last Half of Week ending May 6 1916		First Half of Week beginning May 8 1916	
American Beauty, Special	2.00	to 2.50	30.00	to 35.00
" Fancy and Extra	10.00	to 15.00	10.00	to 15.00
" No. 1	3.00	to 6.00	3.00	to 6.00
Russell, Hadley	5.00	to 40.00	5.00	to 40.00
Killarney, Richmond, Hillingdon, Ward, Extra	4.00	to 6.00	4.00	to 6.00
" Ordinary	2.00	to 3.00	2.00	to 3.00
Arenburg, Radiance, Taft, Key, Extra	5.00	to 8.00	5.00	to 8.00
" Ordinary	2.00	to 4.00	2.00	to 4.00
Ophelia, Mock, Sunburst, Extra	5.00	to 6.00	5.00	to 6.00
" Ordinary	2.00	to 3.00	2.00	to 3.00
Carnations, Fancy	1.00	to 2.50	1.50	to 3.00
" Ordinary	1.00	to 1.50	1.00	to 1.50

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**WALTER R. SIEBRECHT CO.**

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Wholesale Commission Florists

Orchids, Gardenias and Many Other  
Flowers of Quality.

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NEW YORK

**HENRY M. ROBINSON CO. OF NEW YORK**

WHOLESALE FLORISTS

55-57 West 26th Street

Telephones, 12-8510 Madison Square

Consignments Solicited

MAURICE L. GLASS, Treasurer

## Flower Market Reports

(Continued from page 671)

who is familiar with the clientele of Greeks and other sharp buyers who frequent 28th street and the Coogan building can readily imagine how generous they are liable to be at such a time. Without going into details, which would serve no good purpose, we can say without qualification that the business this week has been very "bum."

The wholesalers **PHILADELPHIA** have a subdued and apologetic look on their faces this morning. Evidently they have put in a pretty hard week—with things going against them. It seems that business fell off rather sharply and flowers came piling in more than ever. In other words a slump, hence the pensive. Like the first few days of summer weather to the human. He is at first very uncomfortable, but he soon gets used to it. It has been a splendid season, 1915-16, all the way through, and the growers can stand a little lull. There is no necessity for shedding an ocean of tears over their sad case. And we have Memorial Day still ahead of us.

The past two weeks **PITTSBURGH** have been comparatively dull, but at time of writing orders are coming in heavily for Mothers' Day. Carnations of course, practically all called for. They will probably wholesale at \$8 per hundred. Everything else will probably remain about the same.

The market has experienced quite a slump in business and in quality of stock. Roses are holding their own, however. Carnations have had a good call of late and it is expected that this week prices will go up on these, caused by "Mother's Day" demands. All varieties are in good supply at present. The hot days have shortened up the sweet pea crop somewhat and prices are advancing slightly. Lilies were a glut all week. There are a lot of outdoor flowers coming in, especially lilac, lily of the valley and tulips.

The flower market **WASHINGTON** is demoralized by the influx of stock from all points. There is no such thing as staple prices except on lily of the valley and orchids, both of which bring high prices. American Beauty roses can be had at \$10 and \$12 per hundred; other roses and carnations at any price one might choose to offer. The refuse heaps are piled high with lilies and sweet peas, and the quantities of spring flowers, particularly of dogwood, lilac, apple, peach and other like blossoms, are such as to overshadow the more expensive greenhouse stock. In many cases flowers are sold at so much a pile, the seller not taking the trouble to count them, and the production is only measured by the ability of the employees of the greenhouses to pick the stock as it becomes marketable. Withal, retail business has been fairly good and the stores are kept going nicely. Violets are still to be had and there is a fair showing of locally grown daffodils. Snowballs are being offered and gladioli and iris are fairly popular.

## We are WHOLESALE FLORISTS

We handle every variety of cut flowers. We have 22 years' experience behind us, and we do not expect a gold medal for doing our full duty by our consignors and customers. You cannot go very far wrong when dealing with us.

### GUTTMAN & RAYNOR, Inc.

101 West 28th Street, NEW YORK

Phones 2036, 2037, 558 Farragut

### PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

TELEPHONE MAIN 2698

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A.M.

### NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending May 6 1916		First Half of Week beginning May 8 1916	
Cattleyas	40.00	to 75.00	25.00	to 75.00
Dendrobium formosum	20.00	to 35.00	20.00	to 35.00
Lilies, Longiflorum	3.00	to 6.00	4.00	to 6.00
Rubrum				
Callas	6.00	to 8.00	6.00	to 8.00
Lily of the Valley	4.00	to 5.00	4.00	to 5.00
Daisies	.50	to 1.00	.50	to 1.00
Violets	.40	to .60	.40	to .60
Mignonette	2.00	to 6.00	2.00	to 6.00
Snapdragon	3.00	to 8.00	3.00	to 8.00
Daffodils	2.00	to 3.00	2.00	to 3.00
Gladioli	6.00	to 8.00	6.00	to 8.00
Tulips	2.00	to 3.00	2.00	to 3.00
Hyacinths	1.00	to 2.00	1.00	to 2.00
Freesia				
Calendulas	1.00	to 2.00	1.00	to 2.00
Lilac (per bunch)	.25	to .50	.25	to .50
Sweet Peas	.25	to 1.00	.25	to 1.00
Gardenias	8.00	to 15.00	8.00	to 15.00
Adiantum	.50	to 1.00	.50	to 1.00
Smilax	8.00	to 20.00	8.00	to 20.00
Asparagus Plumosus, & Spreng (100 bunches)	15.00	to 25.00	15.00	to 25.00

## I Can Sell Them For You!

I have an unlimited market for your flowers, any variety, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty eight years in the Cut Flower Commission Business.

Write for information or call and talk it over.

Telephone **J. K. ALLEN** 118 West 28th Street  
167 & 3058 Farragut NEW YORK

### New England Florist Supply Co.

**SPECIAL** — 10 BARREL BALE Sphagnum Moss, \$3.50  
276 Devonshire Street, BOSTON, MASS.

TELEPHONES: Fort Hill, 3469  
Main, 4789 W

Established 1888

Tel. 551 Farragut

### GUNTHER BROS.

Wholesale Commission Florists  
110 West 28th St., New York  
We Solicit Consignments of New England Grown Novelties.

### J. J. COAN, INC.

115 WEST 25TH STREET  
New York  
Tel., Farragut 5413-5891

EVERYTHING IN CUT FLOWERS  
CONSIGNMENTS SOLICITED

Open 6 a. m. to 7 p. m.

### UNITED CUT FLOWER CO., INC.

Flowers Sold on Commission  
Consignments of  
Good Stock Solicited  
PERCY W. RICHTER, Mgr., NEW YORK  
111 W. 28th Street

### HERMAN WEISS

Wholesale Florist  
Experienced, Progressive and can handle shipments of growers' product satisfactorily.  
106 West 28th St., NEW YORK  
Tel. Farragut 3066.

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Annual Advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in contact with reliable dealers.

## ACCOUNTANTS

For page see List of Advertisers.

## APHINE

Aphine Mfg. Co., Madison, N. J.  
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## APHIS PINK

Nighting Mfg. Co., St. Louis, Mo.  
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## ASPARAGUS

W. H. Elliott, Boston, Mass.  
Asparagus Phloxes, Nuts, Seeds.  
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Asparagus Phloxes, Nuts, Seeds, \$5.00 per 1000.  
Ready May 1st. COLLINGDALE  
GREENHOUSES, Collingdale, Pa.

## AUCTION SALES

The MacNiff Horticultural Co.,  
New York City.  
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Elliott Auction Co., New York City.  
Plant Auctioneers.  
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## AZALEAS

P. Onwerker, Hoboken, N. J.  
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A. Hans, Woburn, Mass.  
K. J. Kuyk, Ghent, Belgium.  
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## BASKETS

H. Bayersdorfer & Co., Philadelphia, Pa.  
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## BAY TREES

BAY TREES. Write for wholesale price-list.  
JULIUS ROEHRS CO., Rutherford, N. J.

## BEDDING PLANTS

A. N. Pierson, Inc., Cromwell, Conn.  
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R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.  
For page see List of Advertisers.

## BEGONIAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.  
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## BEGONIAS

Delivery from May 15th.  
Lorraine, 2½ in. pots, \$12.00 per 100; Cincinnati, 2½ in. pots, \$15.00 per 100; Mrs. J. A. Peterson (New), 2½ in. pots, \$25.00 per 100; \$200.00 per 1000.  
JULIUS ROEHRS CO., Rutherford, N. J.

## BOILERS

Kroeschell Bros. Co., Chicago.  
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King Construction Co., North Tonawanda, N. Y.  
"King Ideal" Boiler.  
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Lord & Burdett Co., New York City.  
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Hitchings & Co., New York City.

## BONES—CUT FLOWER FOLDING

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Write for list. HOLTON & HUNKEL CO.,  
Milwaukee, Wis.

## BON TREES

BON TREES—Standards, Pyramids and Bush. Price list on demand.  
JULIUS ROEHRS CO., Rutherford, N. J.

## BULBS AND TUBERS

J. M. Thorburn & Co., New York City.  
Gladlioll.  
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Ralph M. Ward & Co., New York City.  
Lily Bulbs.  
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John Lewis Childs, Flowerfield, L. I., N. Y.  
Gladlioll.  
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August Rolker & Sons, New York City.  
Forcing Bulbs and Plants.  
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R. & J. Farquhar & Co., Boston, Mass.  
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Chas. Schwake & Co., New York City.  
Horticultural Importers and Exporters.  
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A. Henderson & Co., Chicago, Ill.  
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Burnett Bros., 98 Chambers St., New York.  
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Henry F. Mitchell Co., Philadelphia, Pa.  
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Joseph Breck & Sons Corp., Boston, Mass.  
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W. E. Marshall & Co., New York City.  
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Arthur T. Boddington Co., Inc.,  
New York City.

Fotter, Fiske Rawson Co., Boston, Mass.  
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C. KEUR & SONS, HILLEGOM, Holland.  
Bulbs of all descriptions. Write for price-list.  
NEW YORK Branch, 8-10 Bridge St.

## CARNATIONS

Cottage Gardens Co., Inc., Queens, N. Y.  
New Carnation Cottage Maid.  
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Wood Bros., Fishkill, N. Y.  
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F. Dorner & Sons Co., Lafayette, Ind.  
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Guttman & Raynor, Inc., New York City.  
Seedling Carnation Laura Weber.

## CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 postpaid. I. L. PILLSBURY, Galesburg, Ill.

## CANNAS

John Lewis Childs, Flowerfield, L. I., N. Y.  
Canna Roots.  
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## CANNAS—Continued

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## 50,000 CANNA ROOTS.

For QUAIL, \$15.00 per 1000.  
F. O. E. West Grove, Pa.  
B. Broome, Newark.

## PINKS.

Eastern Beauty, B. John Farquhar  
Excelsior, B. Lacey  
Jennie Walls Fahn, Zanth

## REDS.

Black Beauty Improved, B. Egandale, B.  
Black Prince, Gladlioll  
Black Warrior, Juppier, B.  
Brandywine, B. Mrs. Geo. A. Stroh-  
Duke of Marlboro, John B.

## YELLOW

Brilliant, Coronet Improved  
Buttercup Tail, Dr. Nansen  
Charles Lutz, Wyoming, B.

## VARIEGATED.

Adonis, Richard Wallace  
Burbank, Golden Gate  
California, Director Holtze  
Cloth of Gold

## ALSO

Per 100  
Conowings, B. Red, \$1.00  
Kate E. Deemer, Yellow, 4.00  
Wm. Saunders, B. Red, 4.00  
Wabash, B. Pink, 7.50

THE CONARD & JONES COMPANY,  
West Grove, Pa.

## CHRYSANTHEMUMS

R. Vincent, Jr. & Sons Co.,

White Marsh, Md.

Pompon Chrysanthemums.

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Elmer D. Smith, Adrian, Mich.  
New Chrysanthemum Catalogue for 1916  
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W. H. Elliott, Brighton, Mass.  
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Guttman & Raynor, Inc., New York City  
Early Lavender Pink Chrysanthemum  
Alex Guttman, also Emma, a Garza  
Anemone, Double Pompon,  
pale pink.

## CYCLAMEN

CYCLAMEN. Best strain. Separate colors or mixed, 3 in. pots, \$8.00 per 100, for May delivery.  
JULIUS ROEHRS CO., Rutherford, N. J.

## DAHLIAS

R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.  
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Send for Wholesale List of Whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens.  
J. L. MOORE, Prop., Northboro, Mass.

IF YOU INTEND growing Dahlias for cut flowers then you will make no mistake if you will try my assortment, especially selected for cut flower production: Three whites, 3 pinks, 1 red, 1 yellow, 1 lavender, 1 fancy; all field roots, labeled true to name; per 100, 10 of each kind, \$3.00; per 1000, 100 of each kind, \$25.00. 50 at 100 and 500 at 1000 rates. Cash with order. Guarantee entire satisfaction. If interested in Dahlias, then please send for my wholesale trade list of Dahlias.

MANNETTO HILL NURSERY,  
W. A. FINGER, Prop., Hicksville, N. Y.

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**DAHLIAS—Continued**

**NEW PAEONY DAHLIA**  
John Wanamaker, Newest, Handsomest.  
Best. New color, new form and new habit  
of growth. Big stock of best cut-flower  
varieties. Send list of wants to  
**PEACOCK DAHLIA FARMS, Berlin, N. J.**

**DECORATIVE PLANTS**

Robert Craig Co., Philadelphia, Pa.  
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Thomas Roland, Nahant, Mass.  
High Grade Plants for Retail Florists.  
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**EUONYMUS RADICANS**

Jas. Wheeler, Natick, Mass.

**FERNS**

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R. & J. Farquhar & Co., Boston, Mass.  
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Pulverized Manure Co., Chicago, Ill.  
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**FUNGICIDES**

Aphine Mfg. Co., Madison, N. J.  
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**GERANIUMS**

R. Vincent, Jr. & Sons Co.  
White Marsh, Md.  
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Geraniums out of 3½ inch pots, \$7.00 per  
100. Cash please. **LEONARD COUSINS,  
JR., Concord Junction, Mass.**

**GLADIOLI**

J. M. Thorburn & Co., New York City.  
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John Lewis Childs, Flowerfield, L. I., N. Y.  
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A. Henderson & Co., Chicago, Ill.  
Forcing Gladioli.  
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**GLASS**

Sharp, Partridge & Co., Chicago.  
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Parshelsky Bros., Inc., Brooklyn, N. Y.  
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Greenhouse Glass, Lowest prices. **JOHN  
STON GLASS CO., Hartford City, Ind.**

**GLAZING POINTS**

H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.  
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**GOLD FISH**

Gold fish, aquarium plants, snails, cas-  
ties, globes, aquarium, fish goods, nets,  
etc., wholesale. **FRANKLIN BARRETT,  
Breeder, 4815 D St., Olney, Philadelphia,  
Pa.** Large breeding pairs for sale. Send  
for price list.

**GREENHOUSE BUILDING MATERIAL**

King Construction Co., N. Tonawanda, N. Y.  
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Lord & Burnham Co., New York City.  
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Hitchings & Co., New York City.

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King Construction Co., N. Tonawanda, N. Y.  
King Channel Gutter.  
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**HAIL INSURANCE**

Florists' Hail Asso. of America.  
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**HARDY FERNS AND GREEN GOODS**

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The Kervan Co., New York.

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Caldwell The Woodsman Co.,

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**HART'S HANDY HANDLE**

Geo. B. Hart, Rochester, N. Y.  
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**HOSE**

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Metropolitan Material Co., Brooklyn, N. Y.  
Non-Kink Woven Hose.  
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**HOTEL ACCOMMODATIONS**

Hotel Cumberland, New York City.

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Aphine Manufacturing Co., Madison, N. J.  
Aphine.

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**LILY BULBS**

Chas. Schwake & Co., New York City.  
Horticultural Importers and Exporters.  
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McHutchison & Co., New York.

Lily Bulbs from Japan.  
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R. M. Ward & Co., New York, N. Y.  
Japanese Lily Bulbs of Superior Quality.  
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National Nurseryman Publishing Co., Inc.,  
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**In writing to Advertisers kindly mention Horticulture**

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**ONION SETS**

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**PANSY PLANTS**

100,000 PANSIES

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Colors.  
There is no better strain for commercial purposes than my Superb Strain Pansies, grown from seed of my own raising, and the result of over 20 years' careful breeding. Send a trial order and be convinced. Fine, large plants, \$1.25 per 100; \$10.00 per 1000. Send order for 100 plants, \$10.00 per 1000. For page see List of Advertisers.

LEONARD COUSINS, JR.,  
Concord Junction, Massachusetts.

**PAPER POTS**

The Cloche Co., New York City  
Collapsible Paper Boxes.

**PETUNIAS**

R. Vincent, Jr. & Sons Co., White Marsh, Md.  
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**PHOENIX CANARIENSIS**

In all sizes. Special price-list on demand.  
JULIUS ROEHRS CO., Rutherford, N. J.

**PEONIES**

Peonies. The world's greatest collection, 1200 sorts. Send for list. C. BLITSCHER, Canal Dover, O.

**PECKY CYPRESS BENCHES**

A. T. Stearns Lumber Co., Boston, Mass.  
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Bay State Nurseries, North Abington, Mass.  
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A. N. Pierson, Inc., Cromwell, Conn.  
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Guttman & Raynor, Inc., New York City.  
Rose Prima Donna (Mme. Paul Euler).

THE CONARD & JONES COMPANY.  
Rose Specialists.  
West Grove, Pa. Send for offers.

**SEASONABLE PLANT STOCK**

R. Vincent, Jr. & Sons Co., White Marsh, Md.  
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**SEEDS**

Carter's Tested Seeds.  
Seeds with a Pedigree.  
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Chas. Schwabe & Co., New York City.  
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Mitchell's Seed House, Philadelphia, Pa.  
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Augusta Nurseries & Sons, New York City.  
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Thomas J. Gray Co., Boston, Mass.  
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Bortner Bros., 150 E. 12th St., New York  
Seeds for the Florist.  
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**SEED AND PLANT FORCER**

The Cloche Co., New York City.

**SPHAGNUM MOSS**

New England Florist Supply Co.,  
Boston, Mass.  
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Live Sphagnum moss, orchid peat and  
orchid baskets always on hand. LAGER  
& HURRELL, Summit, N. J.

**SHELF BRACKETS**

Metropolitan Material Co., Brooklyn, N. Y.  
For page see List of Advertisers.

**SUN DIALS**

The M. D. Jones Co., Boston, Mass.

**SWEET PEA SEED**

Ant. C. Zvolanek, Lombard, Calif.  
Gold Medal of Honor Winter Orchid Sweet  
Peas.  
For page see List of Advertisers.

**TREE SURGERY**

The Davey Tree Expert Co., Kent, Ohio.

**VASES**

H. Bayersdorfer & Co., Philadelphia, Pa.  
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**VEGETABLE PLANTS**

R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.  
For page see List of Advertisers.

Celery Plants: Golden Self-Blanching  
(French strain); fine plants, ready now;  
\$2.00 per 1000. Cash. Special prices on  
large lots. BRILL CELERY GARDENS,  
Kalamazoo, Mich.

**VENTILATING APPARATUS**

The Advance Co., Richmond, Ind.  
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The John A. Evans Co., Richmond, Ind.  
For page see List of Advertisers.

**VERMICIDES**

Aphine Mfg. Co., Madison, N. J.  
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**VINCAS**

13,000 Vincas Var., out of 4 inch pots,  
\$12.50 per 100. Cash please. LEONARD  
COUSINS, JR., Concord Junction, Mass.

**WEED KILLER**

Pino-Lyptol Chemical Co., New York City  
Pino-Lyptol Weed Killer.  
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**WHEAT SHEAVES**

H. B. H. & Co., Philadelphia, Pa.  
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**WIRED TOOTHPLICKS**

W. J. Cowee, Berlin, N. Y.  
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**WIREWORK**

Reed & Keller, New York City.  
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WILLIAM E. HEILSCHER'S WIRE  
WORKS, 264 Randolph St., Detroit, Mich.

**WHOLESALE FLORISTS**

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.  
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**Baltimore**

The S. S. Pennock-Meehan Co., Franklin  
and St. Paul Sts.  
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**Boston**

Welch Bros. Co., 226 Devonshire St.  
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Patrick Welch, 262 Devonshire St.  
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**Brooklyn**

Wm. H. Kuebler, 28 Willoughby St.  
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**Buffalo, N. Y.**

William F. Kasting Co., 383-87 Ellicott St.  
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**Chicago**

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J. A. Budlong, 184 North Wabash Ave.  
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**Detroit**

Michigan Cut Flower Exchange, 264-266  
Randolph St.  
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**New York**

H. E. Froment, 148 W. 28th St.  
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James McMillan, 105 W. 28th St.  
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W. F. Sheridan, 133 W. 28th St.  
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P. J. Smith, 131 West 28th St.  
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Moore, Hentz & Nash, 55 and 57 W. 26th St.  
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Charles Millang, 55 and 57 West 26th St.  
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W. P. Ford, 107 W. 28th St.  
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J. K. Allen, 114 West 28th St.  
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The S. S. Pennock-Meehan Co., 117 West  
28th St.  
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Traendly & Schenck, 436 6th Ave., between  
26th and 27th Sts.  
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Badgley & Bishop, Inc., 34 West 28th St.  
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Woodrow & Markatos, 37 and 39 W. 28th St.  
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Riedel & Meyer, Inc., 49 West 28th St.  
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George C. Siebrecht, 100 W. 28th St.  
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John Young & Co., 53 West 28th St.  
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M. C. Ford, 121 West 28th St.  
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**WHOLESALE FLORISTS**

New York—Continued

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Guttman & Reynor, Inc., 101 W. 28th St.  
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Gunther Bros., 110 West 28th St.  
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Henry M. Robinson Co., 55-57 W. 28th St.  
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W. R. Siebrecht, 114 West 28th St.  
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Herman Weiss, 106 West 28th St.  
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J. J. Coan, 115 West 28th St.  
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**Philadelphia**

Leo. Niessen Co., 12th and Race Sts.  
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Edward Reid, 1619-21 Ranstead St.  
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The S. S. Pennock-Meehan Co., 1608-20  
Ludlow St.  
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**Richmond, Ind.**

E. G. Hill Co.  
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**Rochester, N. Y.**

George B. Hart, 21 Stone St.  
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**Washington**

The S. S. Pennock-Meehan Co., 1216 H St.,  
N. W.  
For page see List of Advertisers.

**Next Week's Issue**

Will be just right for advertising plants, flowers or supplies of any kind suitable for Memorial Day trade. Advertisers will make no mistake in taking advantage of this opportunity to enlarge their sales for this popular floral holiday. We shall do our best to make this issue such as will excite interest and ensure good returns for our advertisers from the people who read Horticulture.

Send Order and Copy  
**NOW**

**New Offers In This Issue****ADVANCE SASH-OPERATING DE-VICE.**

Advance Co., Richmond, Ind.  
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**AMERICAN GROWN EVERGREENS.**

Blue Hill Nurseries, Julius Heurlin, Prop.,  
South Braintree, Mass.  
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**BERMUDA ONION SEED.**

Federico C. Varela, Tenerife, Can-  
Islands  
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**COLDWELL LAWN MOWERS.**

Coldwell Lawn Mower Co., Newburgh, N. Y.  
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**FRENCH BULBS.**

Bremont Freres, Orlieres Var., France  
Agent, Jacques Courtine, New York City  
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**SWASTIKA BRAND CANNAS.**

The Conard & Jones Co., West Grove, Pa.  
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**WANTS, FOR SALE, ETC.**

Advertisements in this column  
one cent a word. Initials count as  
as words. Cash with order. All  
correspondence addressed "Care  
HORTICULTURE" should be sent  
to 147 Summer St., Boston.

**HELP WANTED**

WANTED—Single man, about thirty, as  
vegetable grower on private place; wages  
forty-five dollars per month with room  
and board. Steady job if satisfactory.  
ROBERT MARSHALL, Supt., Glen Cove,  
New York.

WANTED—Three first-class greenhouse  
assistants. Must be thoroughly competent  
and strictly temperate. Wages \$80 per  
month with room and board. Write, en-  
closing references from past and present  
employers. J. CANNING, care Adolph  
Lewison, Aidsley, N. Y.

**SITUATIONS WANTED**

FOREMAN GARDENER with 17 years  
experience on large private estates, expects  
to make a change, where a capable man is  
wanted, \$60.00 per month, board and room.  
"G. D." care HORTICULTURE.

SITUATION WANTED—By Head Gar-  
dener (English) on private estate; life ex-  
perience in all branches of Horticulture  
both under glass and outside; well up in  
alpine and herbaceous plants, and all work  
in general on a private estate. Good refer-  
ences. Married, no family. "F. L." care  
HORTICULTURE.

**BUSINESS OPPORTUNITIES**

The larger interest in a retail Flower  
growing and Nursery business in one of  
the best interior resort towns in California,  
southern part. Consists of modern equip-  
ment of glass. Business is a small corpora-  
tion and needs active management. Inter-  
ested and responsible parties would  
best communicate through their attorneys.  
Not much cash needed. It is a good oppor-  
tunity to become established in an old  
business with a splendid reputation. Ad-  
dress: CALIFORNIA care HORTICUL-  
TURE.

**MISCELLANEOUS**

WANTED TO RENT, with privilege of  
buying, 10,000 to 20,000 ft. of glass with  
dwelling house, Massachusetts state pre-  
ferred. State full particulars in first  
letter. Address "T." care HORTICUL-  
TURE.

**In writing to Advertisers kindly mention Horticulture**

Est. 1765

Inc. 1904

Pot Makers for a  
Century and a Half**HEWS****STRONG  
RED  
POROUS****POTS**World's Largest  
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.  
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue  
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:  
CAMBRIDGE, MASS.  
NEW YORK, N. Y.**THE ECONOMIC STRUCTURE OF  
THE FLOWER BUSINESS.**

A Paper Read before the New York Florists Club by A. J. Guttman.

Mr. President and Gentlemen:

At the outset allow me to assure you that I am aware of the fact that by attempting to review the economic condition of our business I have bitten off a very large chunk. But I believe in not being afraid to undertake the service of a problem and though I may fail it is better to have undertaken and failed, than never to have undertaken at all. In this spirit I am making the attempt. I also assure you that my prime motive in addressing you is not prompted by criticism, but rather by the spirit of upbuilding and development. I am too old a veteran to hope not to be misunderstood by some, not because what I may say is difficult to comprehend, but because experience has taught me that all the problems of life are really very simple when we have found the proper angle from which to approach each, and, further, because I find after careful study, that the general economic condition of our beloved country, from whatever cause, is today such as to have developed many men lacking in faith and optimism. Another factor of tremendous importance is the very poor quality of mental food doled out to us, due to the low standard of efficiency prevailing in the journalistic profession, excepting, of course, the trade press. Surely you have all noticed it, especially during the past 21 months.

The merchants of a nation occupy a very important position and wield a tremendous influence; so does the press. Merchandising, though simple, is a science. General trading is a science and an art. The principal aim in life should be to live wholesomely and in order to so live every intelligent being chooses a vocation and his existence both morally and economically is according to his intelligence. We, as horticulturists, know beyond question that to obtain a healthy and prolific plant it is necessary to first sow a healthy seed in good soil. Just so it is impossible to develop a sound and true mental picture of anything without having first absorbed good and wholesome food. Whatever condition may exist or the economic condition of our business that exists at present is the reflex of that which has gone before—a reflex of the economic structure of the whole country, a reflex of the condition of the minds of the majority of men engaged in general merchandising and trading.

Unfortunately only a very small percentage of men are ready and eager to assume responsibilities. Probably they are afraid of obstacles and have not enough confidence in themselves to overcome these obstructions. If they only knew the great mental and material benefit to be derived from the

working out of a difficulty—for that is the only way to obtain valuable experience, that is the way to learn to distinguish the good from the bad, wisdom from stupidity, the wholesome from the unwholesome and to best fit oneself to become a wise leader and builder. I dread to think of the great mass who having had but limited experience, in whose minds so much bad seed is being planted by the distorted and unwise food contained in the majority of daily publications, plus weekly and monthly magazines and also by books written purposely to confuse the minds rather than to enlighten. The fault must be charged to the so-called leaders of our country who in the great majority of cases are really only politicians, rather than constructive statesmen and philosophers or masters of economics. Merchants, teachers, editors, public officers, the clergy—in fact, all men holding positions of influence and trust ought to be students of economics. Perhaps the fact of our country being comparatively young and unfettered by conventions, with its enormous natural resources and elastic laws, is in a great measure conducive to full play of individualism. That to my mind accounts for the rather loose and in many respects impractical working condition that exists in most businesses as well as ours.

I emphasize these points for the purpose of showing that there is no special cause for criticising the working conditions of our business, our industry being yet so young. It is, however, meet and proper that we—a body of merchants knowing the value and importance of sowing good seed, make due endeavor to build healthy and practical working conditions. Looking back 22 years I can see the marvelous progress made in the development and increase of varieties of plants and cut flowers and in the so-called ornamental branch of our business as well as in the general distribution of the stock from grower to the public; also in the working conditions for employees as well as employers, due primarily to the early pioneers to whom we must give great credit and honor for their foresight, diligence and perseverance and to the various horticulture organizations also. Whatever recommendations I shall make are so made in good faith with malice towards none, feeling and be-

lieving that there is great room for improvement in our economic structure and, further, that such improvement can only be obtained by intelligent and practical co-operation combined with the spirit of idealism. This principle is so simple and works so automatically that some call it the new thought, the advance thought. It is an axiomatic truth that by building for yourself you automatically build for others. By tearing down others you automatically destroy yourself in time. No matter how scheming and formidable a man may be he cannot harm others without harming himself. It may take a generation or a lifetime but there is no escaping ultimate destruction and I am not superstitious. A man who is vindictive, over-suspicious and shortsighted cannot be a builder in the true sense of the word not forgetting, of course, that one must be cautious and reasonably conservative. The man who is successful in life and constantly grappling with new and interesting problems has no time to nurse a grudge. Also men must learn that it is useless to try to keep down—in other words, to retard the progress of a formidable individual. It is safer and better to think and act along the lines of the thought and policy of "live and let live." In this country progress is made by leaps and bounds; the small man of today is the

**DREER'S "Riverton Special" Plant Tub**

No. in Tub	1st	2nd	3rd	4th
10	20 in.	\$1.45	\$1.00	\$1.30 00
20	18 in.	1.20	1.00	1.15 00
30	16 in.	1.00	1.15	1.25 00
40	14 in.	.85	1.00	1.10 00
50	12 in.	.75	.90	1.00 00
60	10 in.	.65	.80	.90 00
70	8 in.	.50	.65	.80 00

Most durable for use in the garden. To best the ever introduced. The most perfect and cheapest. Planted green with electric welded hoops. The four largest sizes have drop handles.

**HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies. 714 Chestnut Street, Philadelphia, Pa.**

**STANDARD FLOWER  
POTS**

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

**W. H. ERNEST**

28th &amp; M Sts., Washington, D. C.

**NON-KINK WOVEN HOSE**

In all lengths. 1 1/2 per foot. With couplings. Unequaled at the price. Remnants shorter than 25 feet 10¢ per foot, coupled.

**METROPOLITAN MATERIAL CO.**

1392-1414 Metropolitan Ave., Brooklyn, N. Y.

**THE FLORISTS' HAIL ASSOCIATION**

Is a mutual organization, insuring greenhouse glass against hail. Both commercial and private establishments are accepted. For particulars, address

**John G. Eiler, Sec., Saddle River, N. J.**  
Insure Now.



# WEED KILLER

THE VERY NEWEST AND QUICKEST METHOD OF DESTROYING WEEDS, GRASS AND OTHER GROWTH IN GARDEN WALKS, GUTTERS, TENNIS COURTS, DRIVEWAYS, ETC.

This fluid absolutely destroys all weeds and other growth wherever applied, and its effect on the ground prevents the growth of fresh ones for a year and thus saves a great deal of time and labor, as no cutting, hoeing or hauling away of the weeds is required.

We manufacture the strongest line of DISINFECTANTS on the market.

P.-L. CHEMICAL CO., 507-509 W. 19th St., New York

CORRESPONDENCE SOLICITED.

big man of tomorrow, and it behooves every merchant to avail himself of all opportunities for the advancement of his own interest even though he may feel that in doing so he would also benefit his contemporaries.

When approaching my subject, "The Economic Structure of the Flower Business," I felt that I could not do so comprehensively from any other angle than that of the economic condition of the entire country. I realize that my task is not only difficult but so vast that, compared with a large field approachable from so many different angles, I don't know with which phase of the question to commence. I am trying to keep in mind also the fact that you, Mr. President and gentlemen, are voluntary listeners and I must not talk too long for fear I may tire you, therefore will discuss only a portion of the many phases. This brings me to one of the phases that I will discuss which in my opinion is a most important problem—important because to my mind it is a practical and economic medium for the further great development of our art and industry. I refer to the question of Flower Shows.

Of all the arts none is so universally wholesome and inspiring, none so universally appealing as the culture of flowers and plants. The human mind, when in distress, when ill, when in need of a helpful thought, will respond more freely and gratefully to the flower than to any other influence. As an industry, floriculture together with its necessary accessories, can surely be regarded as legitimate. To make the flower show act as the powerful agent it is intended to be it is to be hoped that each ambitious and faithful member of our craft shall avail himself of the great advantage thus derivable. The clear duty of each individual and of each of our various organizations is to co-operate in and conduct these shows in such a manner as to encourage a great many exhibitors as well as a large attendance. Box office receipts should only be a secondary consideration. In other words, the educational benefit to be derived by the public from these exhibitions should be the only or chief consideration, for in that way the trade as a whole would benefit thereby to the fullest measure. For instance, instead of only a handful of growers, seedsmen, retailers and ornamental horticulturists being represented the majority in each of these branches should have exhibits or,

rather, I would say that they should to a greater degree rise to this occasion and fully appreciate its tremendous importance and benefit. It was a great shock to me to find such a small number of growers, nurserymen, seedsmen, retailers, etc., represented at our recent show. I had hoped that the craft would recognize and be eager to avail itself of this great medium for the general advancement of our business and I warn the craft in general that they should not miss a great opportunity whenever it presents itself for general progress. Can't you see that our great leaders and most progressive men are giving much energy and attention to shows? I am not familiar enough with the general course and management of the recent show to say where the fault lies. The fact is clear, however, that only a small portion of the craft was represented. Let us hope that next year this will not be so, that the craft will avail itself of the chance. The newspaper publicity, on the whole, was anything but comprehensive and dignified. Here again is abundant evidence of our loose and inconsistent economic structure. The newspapers could, with proper guidance, act as a medium for wholesome and instructive information to the public. I know it is difficult to work with poor material or rather with incompetent artisans, but feel that it is not impossible to remedy this fault. I also cannot believe that the management needed to lack timely and voluntary assistance, because I cannot imagine any member of the craft declining to do his might when requested. The show, as a whole, was fairly satisfactory. The quality of stock shown was excellent but it was not enough of a competitive exhibition. The fact that more growers were not represented may be charged up to The National Flower Show at Philadelphia, but, to my mind, there was little or no excuse for the lack of enthusiasm shown by many of the craft especially by our foremost retailers. Retailers, wake up! Good wholesome advertising you should do, you must do, if you want to stick and advance. You should not let this great chance go by without availing yourself of it. Right here I wish to make another suggestion to the management, that a working condition be adopted whereby the retailers could receive the full measure of co-operation. Each retailer occupying space should be able to send invitations to as many people as he wishes. Those not occupying space can pay a certain sum. These invitations, to cost but little to the retailer, should be printed in nice style and be uniform. We should not be far-sighted merchants if we aim—first, to make money out of the show itself. We will not only not make money but we will have sown poor seed and while a few master minds among us may benefit



The Recognized Standard Insecticide.  
A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$4.50.

**NIKOTIANA**

A 12% nicotine solution properly diluted for fumigating or vaporizing.

Quart, \$1.50; Gallon, \$4.50.

Until further notice shipments on our products **FUNGINE, VERMINE and SCALINE** will be subject to conditions of the chemical market.

Prompt shipments can be guaranteed on **APHINE and NIKOTIANA**.

**Aphine Manufacturing Co.**  
MADISON, N. J.



Unequalled for Greenhouse and Landscape Fertilizing

**THE PULVERIZED MANURE CO.**

31 Union Stock Yards, Chicago



**IMP.**

**SOAP SPRAY**

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

LOOK FOR THE IVY LEAF TRADE MARK.

Ask your dealer or write

**EASTERN CHEMICAL CO., BOSTON**



**NIKOTEEN**  
For Spraying

**APHIS PUNK**  
For Fumigating

Ask Your Dealer For It.

**NIKOTINE MFG. CO.**  
ST. LOUIS

temporarily the craft and industry as a whole will be harmed and these few master minds will be borne down with the rest. Everything should be done in keeping with dignity and artistry.

# FOLEY MATERIALS

ARE THE BEST FOR

Iron Frame, Pipe Frame or Wood Frame  
**GREENHOUSES**

Estimate and Sketch Submitted Promptly

**THE FOLEY GREENHOUSE MFG. CO.**

3275 West 31st Street, - - - - - CHICAGO, ILL.

## CYPRESS GREENHOUSE STOCK

PECKY CYPRESS BENCH STOCK

HOT BED SASH

*Ask for Circular D and Prices*

**THE A. T. STEARNS LUMBER COMPANY**

NEPONSET, BOSTON

## SHARP, PARTRIDGE & CO.

Are Leaders in

**GREENHOUSE GLASS**

OUR PRICES WILL PROVE THIS.

CHICAGO, ILL.

## KROESCHELL BOILER

SEND FOR CATALOGUE



**KROESCHELL BROS. CO.**  
466 W. Erie St. Chicago, Ill.

## —PIPE—

Wrought Iron of sound second-hand quality with new threads and couplings. 14-foot lengths and up. Also pipe cut to sketch. We guarantee entire satisfaction or return money.

Established 1902

PFAFF & KENDALL, 655 Ferry St., Newark, N. J.



### Evans 20th Century Arm

Most up-to-date arm on the market. Proved that it is better than any other is that others tried to imitate. Write for our 1915 catalog just out.

**JOHN A. EVANS CO.**  
Richmond, Ind.

### GREENHOUSES BUILDING OR CONTEMPLATED.

Beatrice, Neb.—Dole Floral Co., one house

Delhi, N. Y.—Maynard & Felford, one house.

Webster City, Ia.—Curtis Floral Co., two houses

Rock Island, Ill.—Ludwig Stapp, three houses

Fargo, N. D.—Shotwell Floral Co., house 28 x 100.

Kansas City, Mo.—Nelson Jarrett, addition 20 x 50.

Bountiful, Utah.—Olaf Lindgren, five Moninger houses

Springfield, O.—American Rose & Plant Co., additions.

New York, N. Y.—Massas Floral Co., Lenox avenue, one house.

Des Plaines, Ill.—George Hoeft, two Garland houses each, 28 x 150.

Bluefield, W. Va.—Alexander Cut Flower & Plant Co., range of houses, American Greenhouse Mfg. Co. construction.

Wilkes-Barre, Pa.—John Conyngnam, extensive range of curved-eave conservatories and palm house. King Construction Co. contract.

### PATENTS GRANTED.

1,180,783. Device for Trimming Lawns. Frederick Mason, Davenport, Iowa.

Philadelphia, Pa.—The King Construction Company has opened a branch office in the Harrison bldg., 15th and Market streets, with W. J. Muth as manager.

## A Metropolitan Promise Is as Good as a Bond



Promises even though made with the best intentions are usually very uncertain unless the source of the promise is backed up by a firmly established reputation for reliability and dependability.

Everything should be incorporated in the contract. We seldom make a promise—but, when we do, our reputation proves conclusively that its fulfillment can always be depended upon.

The N. J. Agricultural Experiment Station at New Brunswick, N. J., placed their greenhouse building operations with us, and the following is what Dr. J. G. Lipman, the Director wrote after it was completed.

"In so far as I know, the work done by you was eminently satisfactory, and I trust that we shall have occasion in the future to request your company to bid on other work."

### PUT YOUR GREENHOUSE PROBLEMS UP TO US

We go anywhere in the U. S. to submit plans and prices.

### METROPOLITAN MATERIAL CO.

Patented Greenhouses.

1392-1414 Metropolitan Ave., Brooklyn, N. Y.

## PATENTS

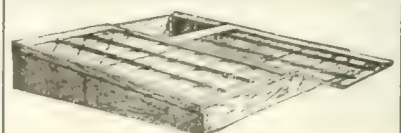
Trademarks  
and Copyrights

Diligent and repeated cases specially selected. No misleading inducements made to secure business. Over 30 years' active practice. Experienced, personal, conscientious service. Write for terms. Address:

### SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building  
Washington, D. C.



**HOTBED SASH at 75c. each**

Made of best grade Gulf cypress.

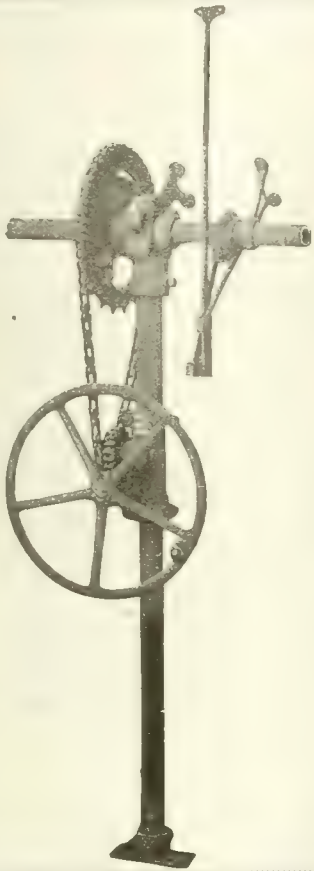
**Glazed Hotbed Sash from \$1.65 up.**

**Double Light Sash up to \$4.00.**

We carry a large stock of all sizes. Write us for estimate.

**S. JACOBS & SONS**

1359-1385 Flushing Avenue BROOKLYN, N. Y.



¶ To stop your troubles use **ADVANCE SASH-OPERATING DEVICE**. A sure remedy. No chance for sash to drop, nothing to wear out. No expense, only the first.

¶ Our Fittings are always a big help around your plant.

¶ One of our catalogues will explain all. Let us send you one. Contains complete descriptions and illustrations, with price list.

WRITE TODAY TO

**ADVANCE CO.,**

**RICHMOND,  
IND.**

**KING CONSTRUCTION COMPANY, North Tonawanda, N. Y.**

**GREENHOUSES**

**We Claim Maximum Strength and Minimum Shadow. Investigate**

**MASTICA**

For Greenhouse  
Glazing

**USE IT NOW**

**F. O. PIERCE CO.**  
12 W. BROADWAY  
NEW YORK



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.



**EVERYTHING FOR THE GREENHOUSE**  
**John C. Moninger Company**

CHICAGO 922 Blackhawk St. NEW YORK 812 Marbridge Bldg.  
CINCINNATI 2314 Union Central Bldg.

**GLASS**

**GREENHOUSE MATERIAL  
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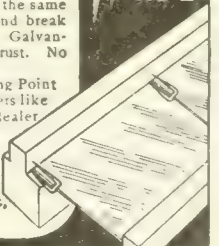
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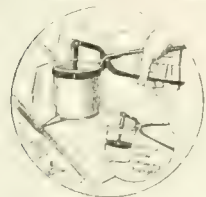
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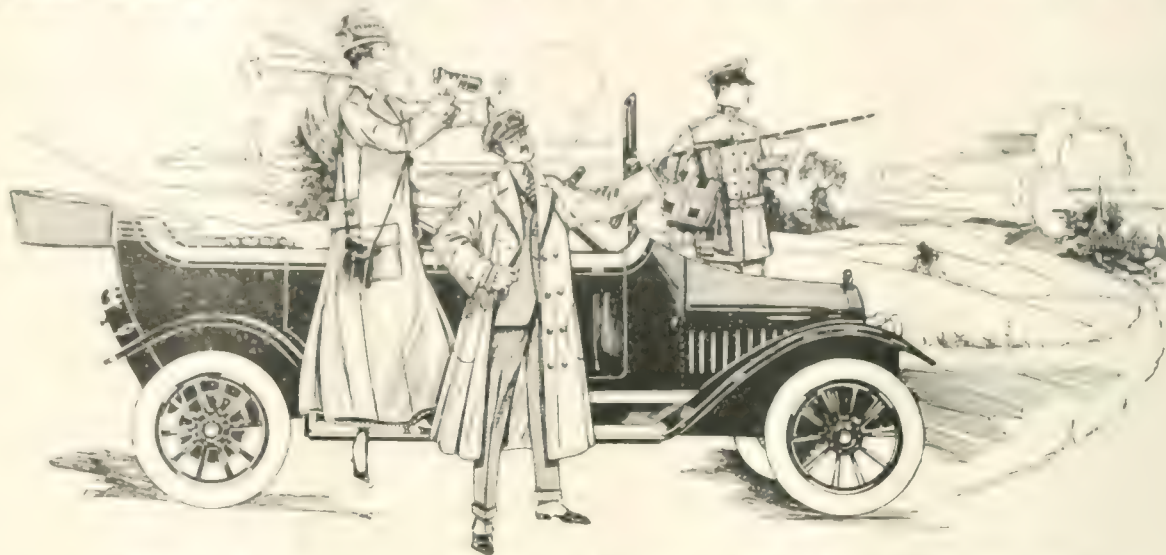
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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—Pope.

## Ferns

Now is a good time to sow spores of those ferns, useful for filling small ferneries. Partly fill pans with crocks and some coarse material such as sod. On top place a finely screened compost of soil three parts, leaf mold and peat one part each, and some sand. Water with a fine rose and let stand for four or five days before sowing the spores. Scatter the spores evenly and press in. Cover with glass and keep in a shady humid house where a warm temperature is held. The benches and floors should never be allowed to remain dry for any length of time. Stand the pans well to the glass that has been shaded so they will have plenty of light without direct sunshine. Now that young ferns are making fairly good growth they will require more water right along.

## Flowers for Memorial Day

*Spiraea japonica* and its various forms will make one of the best flowers for that date. Where they are well out a slight shade will hold them in good condition until they are sold. A temperature of 55 to 60 degrees at night will be preferred to a higher one. Hydrangeas will take about the same care and temperature as spiraeas. Both these plants will need lots of water at the roots now. It can be applied two or three times a day. Give plenty of ventilation. It is a hard proposition to hold lilies in good condition at this time of the year. When well out they should be placed in a cool shady place and never allowed to want for water. Look them well over now for fly and give two or three successive fumigations. Benches containing ten-week stocks, gladioli, snapdragons, candytuft and other Memorial Day stock in pots should be looked after often in order that none be allowed to go wrong.

## Lycastes

The flowering season for these orchids is now over, and with new growth starting any needed potting should be done. Repotting once in two or three years is all these plants usually need. Few orchids are more generally satisfactory than the old *Lycaste Skinneri* and its beautiful pure white form. The flowers hold fresh for ten to twelve weeks on the plants and keep for three weeks in water. They grow better in equal parts of fern fibre and fibrous loam than in pure fern fibre. When growths begin they should have abundance of water. Even during the season of rest they should never be allowed to become too dry at the roots. They do well in pots or pans half filled with clean broken crocks. In summer they succeed best in a cool north house, but they should have a rather warmer position in

winter. Among the numerous species *Lycaste Skinneri* is undoubtedly the best bloomer. *Lycaste cruenta* and *Harrisoniae* are also very good.

## Primulas

After the middle of May primulas should be grown in a cold frame and if they are partially plunged in fine coal ashes, all the better. A spraying overhead each afternoon will be beneficial. The earliest sowing should now be in 2½-inch or 3-inch pots. The compost should be light, equal parts of leaf mold not too much decayed, and loam with a little sand. The young plants want to be kept near the light, but need a little shade from the direct sun. Sowing primula seed is still seasonable. You will not get as fine Christmas plants as from the earlier sowings, but they can be grown into nice little stock in 4-inch pots which is a convenient size for marketing. Primula seed wants a brisk moist heat to germinate, but the plants themselves should never be subjected to any forcing conditions. Prick out and pot off when large enough. While they need some shade do not overdo it as it only makes them become drawn and weakly.

## Single-Stem Chrysanthemums

From now on up to the first week in June is good to put in cuttings for 6-inch pots. Where the idea is to grow single-stem chrysanthemums in pots there is no better time. Never let the cuttings show signs of wilting either from want of moisture or proper shade until rooted. It is advisable to change the sand for this batch of cuttings so as to avoid as much as possible the cutting-bench fungus. When rooted, pot into 2½-inch pots and thence into 4-inch, and finally to their last shift—a 6-inch pot. Never permit the plants to become pot-bound until the last shift is reached. For the last shift use a rich compost. At least one-third of the bulk of soil should be well rotted cow manure and a good sprinkling of bone dust. Make it a practice to syringe several times a day. The best place to grow those plants during the summer is on a bench where there is side ventilation which can be kept open day and night. See that they are syringed and watered at the roots every day.

## Stock Plants

In order to have plenty of stock for another year we shall have to lay aside a number of plants for the production of cuttings from September on and through the winter. Now is the time to make selections before they are all gone. Give them a good piece of ground and with care they give you a foundation for another year's sales. Label true to name when planting out.

# HORTICULTURE

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**Trouble ahead?** We are informed by the American Consul U. S. Commerce Reports, that the Board of General at London, England, through the Trade there proposes shortly to issue rules restricting the importation into England of certain commodities, among those mentioned being bulbs, flower roots, plants, trees and shrubs. This is important if true. We are not informed as to the powers exercised by the body called Board of Trade, but should any widely

restriction be placed upon the shipment to England from Holland and elsewhere of the various bulbous plants, of which Great Britain has hitherto been a heavy importer, the result on the American market will undoubtedly be disastrous and one probably to be avoided. The Government there, however, does not find existence to be so great and pay a little more attention to

their law as to the things, the which if a man has at his command his life flows gently on."

At the recent meeting of the New York City Flower Exchange a vote was taken on the proposition the making of floral decorations and retailing of flowers on the market premises. This action, which has

long been contemplated, gives general satisfaction to the market dealers themselves as well as to the retail trade. The making up of flowers in any form for retail customers by wholesale people has at all times been something about as aggravating to the retailer as the waving of a red rag before a bull. As a business principle their contention is right, as has been always admitted by legitimate wholesale dealers. But there are two sides to the question and in any town where the retail storeman makes a practice of buying flowers direct whenever he can from producers who maintain no city headquarters, while one or more wholesale dealers are paying rent and carrying stock with which to supply him, then the retailer stands on rather shaky ground when he begins protesting against the wholesalers' competition. A spirit of fairness is essential on both sides for the right settlement of such controversies and no settlement can be really permanent and effective unless this fact is recognized and the "golden rule" applied.

## Friend of the flowers

Reports from various sources indicate that not for many years have the spring wild flowers been so abundant or so beautiful as this season. Trailing arbutus, as we have before mentioned, has rarely been so perfect in foliage and in purity of color. Violets, bloodroot, hepatica, springbeauty and other gems of the woodland seem to have found the peculiar characteristics in the weather of the recent winter and spring greatly to their liking and in our gardens the same healthy vigor and profuseness of bloom is in evidence among all the low-growing spring-flowering border plants. The reason for it all is easily discerned in the deep snow which this year covered so large a section of the country and protected these things against the ferocity of the February and March weather. In many of the spring-flowering garden shrubs it is interesting and instructive to note the well defined line of the snow blanket, flowers being produced in profusion on the lower branches of forsythias and azaleas of the Daurica type, etc., while above the line practically every flower is blasted. At this season of the year one of the most momentous questions for the gardener is that of the effect of the winter on many of the most prized garden favorites. One can never be sure until buds are well along as to what he may expect from his rhododendrons, cornuses, wisterias, early clematises and many other things which because of their precocity are so easily started into activity by a few warm days in early winter and their flower buds, divested of their protecting overcoats, doomed to be ruined later on. The problem of winter and spring effect is full of puzzling contradictions and one year's deductions are quite likely to be overthrown by the experiences of the next year. But one thing is sure—deep snow, long tarrying, is the garden's best winter friend.

## ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur Ruzicka*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

### Early Planting

With labor very scarce and high priced, it will be a good idea for growers with large places to handle to begin planting early. The first of August will not be very long slipping around, and all houses with young plants should be planted by that time, with the exception of Shawyer perhaps, so as to get a good root system before the dark days of winter. With the plants ready to go into the benches it will be very simple to empty the houses that are poor and replant them. There may be houses that are well cut off and do not promise to do much at once and the plants may not be ready to go in until July. These houses can be dried off a little, then mulched, and started all over again, producing a fine cut of roses during the summer months when roses are scarce. Roses cut from a house treated in this manner will be far superior to those cut from houses that have not been dried off and started again but have been kept going all the time. A little planning will save a good deal of time and money. To begin with, see that all the necessary tools are on hand so that no time will be wasted waiting when the work is once started. Then come the repairs to the benches. If they have to be rebuilt see that all the necessary material is right there before the work starts. One cannot depend on speedy deliveries by railroads now, so it is best to order things long before they are really wanted. Now for the repairing. We never put any new boards into old benches unless we are all out of old boards. We try to make the benches last as long as possible and then rebuild the whole business, keeping the best boards for repairs in the old benches in the other houses. These new benches will last quite a while and it is a pleasure to wheel into a house with good benches not having to worry about the boards breaking, etc. Then, too, when the bench begins to decay it will go all at once or nearly so and can then be rebuilt again. This is much better than patching all the time and never having a real good bench.

### Whitewashing

Right here lies one of the secrets in successful rose growing. After all the old earth is taken out as much as possible with the shovel, wash the bench thoroughly with a hose, having as good a pressure as is possible to get. See that all the old dirt is washed out even though

this may increase the water bill a little. After this is done whitewash the benches well with hot lime and apply plenty of it. If the bench has dried off after being washed out it should be sprinkled well again, as it is much easier to whitewash a wet bench, and then, too, the lime will spread better, filling up every little crevice which otherwise would be left unfilled, as the thick lime-wash would not get into it. Copper sulphate is very high this year and it may not be possible to add a little to the lime but we think it pays even at the high price as the quantity added need not be very large. A pound will be sufficient for ten gallons of lime wash. This little addition will do away with a great many germs and fungi of all sorts, which otherwise might escape unhurt and be right there when the new soil comes in to prey upon the new tender roots. Use fresh stone lime for making whitewash, never using old air-slacked lime. A little practice will soon show just how to slack it to get the best results, and it should be applied as soon as it is slacked and while still hot. Do not use the hair brushes, as they are too expensive and will not last long. Secure the common fibre brushes which are very tough and can be bought cheap. Needless to say, all old soil should be scraped out from under the benches before the benches are washed out and whitewashing begun. If plenty of lime is applied it will act as a preservative, too, and benches that are well whitewashed will last much longer.

### Concrete Benches

We do not know how other growers make out with these, but we do not care for them very much the first few years after they are built. We cannot get anywhere near the cut from these that we can off the wooden benches, as the roses will not grow as well no matter how carefully they may be looked after. Then, too, there is a possibility that the houses may be used for something else besides roses in the future, and if rose benches were built of concrete they could not be changed. If the benches can be built outside, allowed to weather for a year or two in the open air and then set up in the houses, it would insure much better roses the first few years. They will not drain so well and the drainage cannot be changed for different soils as can be done with wooden benches. There is much more work attached to the building of concrete benches than would at first seem, and with labor hard to get it becomes all the more difficult.

### ST. LOUIS 1917 SPRING SHOW.

The chairman of all the committees for the 1917 Spring Flower Show at St. Louis held a meeting at the Bourdet Floral Co.'s office on Tuesday evening, May 9, to report to the Executive Committee, of which Jules Bourdet is the head. Adolph Janicke reported that the preliminary schedule would be ready for mailing by the latter part of June.

### MEMORIAL DAY.

From the silvery wings of memory the  
feathers of peace, to falling today  
To cover the graves of thousands sleeping  
their manhood away  
To bid and lass is given an angel's grace  
to strew with flowers each resting place  
Music of unforgotten days, echoes thro' the  
woodland ways  
While the fragrant links of a flowery garland  
girdle the hillside and deck the plain.  
The pendulum of time is marking the way  
for the even step of blue and gray  
May peace and its blessings, fold and  
the Old Flags' starry fold.

*George Herriott*

### WASHINGTON TEST ROSE GARDEN

To Members of American Rose Society:

On May 23 the members are invited to meet at 9 A. M. at the store of Messrs. Gude Bros., 1214 F street, N. W., Washington, D. C., and proceed to the Garden. The invitation to attend this examination of the hundreds of out door roses is cordially extended to all who may be able to do so.

BENJAMIN HAMMOND, Sec'y.



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\$5.00, donated by H. J. Skeons; second, \$3.00, donated by the society. This society has always closed its meetings in July and August but it will hold its regular meeting in July to make final arrangements for the 11th Annual Dahlia, Gladioli, Fruit and Vegetable Show, September 18. A gold watch fob was awarded to Fritz Berglund, who resigned his position as treasurer of the society last year for his faithful services during the three years he held office.

Max Schneider received the following points:

Carnations .....	90 points
Tulips .....	50 "
Sweet Peas.....	60 "
Calceolaria Hybrida....	65 "

GEO. W. STRANGE, Sec'y.

### LENOX HORTICULTURAL SOCIETY.

The May meeting of the Lenox (Mass.) Horticultural Society was held on Wednesday, the 10th. The schedule for the Fall Exhibition was adopted. The class for twelve blooms of chrysanthemums in not less than six varieties disseminated in 1916 was altered to twelve blooms in not less than four varieties, owing to the apparent lack of good novelties this season.

A magnificent new orchid, *Odontoda "Gladys,"* from A. N. Cooley, Pittsfield, was awarded a first-class certificate, and a vote of thanks given to E. J. Norman for *Cereus grandiflorus*.

A paper entitled "The Use of Native Plants for Ornamental Planting" was read and well discussed. Several members spoke of the poor success which attended their efforts to transplant the native flowers and shrubs,

especially in the case of the mountain laurel.

The next meeting will be held on June 14.

J. H. FRAMPTON, Asst. Sec.

### CLUB AND SOCIETY NOTES.

The meeting of the Rhode Island Horticultural Society was held in the Public Library, Providence, on Wednesday evening, May 17. Arthur Sel-

low lectured on the Cultivation of Dahlias for Home Decoration and for Exhibition.

The May meeting of the New London Horticultural Society was held on May 11. Mr. Davis, of the Connecticut Experiment Station, New Haven, gave an interesting talk on the Brown Tail and Gipsy Moths, which he illustrated with lantern slides.



VIEW IN SPRING FLOWER SHOW MASSACHUSETTS HORTICULTURAL SOCIETY  
Plant Group by Wm. C. R. G. GARDNER ET AL. Mrs. C. G. Welch

## FOR MEMORIAL DAY

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### GARDENERS' AND FLORISTS' CLUB OF BOSTON.

#### Visit to Gen. Weld's Garden.

Among the numerous private estates in the vicinity of Boston very few possess the individual charm of that of Gen. Stephen M. Weld of Dedham, Mass., where the Gradeners' and Florists' Club of Boston were privileged to spend a very delightful and pleasant day on Monday, May 15. Situated amongst natural surroundings, here exists one of the most beautiful pieces of rock gardening to be found anywhere in New England, and it is well worthy of a visit at the present time by anyone interested in this particularly pleasing form of gardening and one that is coming into vogue rapidly. Here a large piece of water is surrounded by rocky slopes that are literally clothed with a profusion of choice and interesting alpine plants. Any enumeration of the whole of these would be too lengthy a matter, but the benefit of those interested in rock gardening or who contemplates constructing one, some of the more showy and desirable subjects will be largely represented. The water is well wooded with alders, birches and drooping aspens, giving ample shade. Large clumps of rhododendrons grow close beside the water and bid well for a fairly good show of blossom, while *Andromeda floribunda* is fully out. By the side of the water, *Adiantum* is fully at home. Large groups of trilliums are noticed in several rocks. Epimediums are conspicuous in many places. *Arenaria balearica* is one of the gems of the rock garden, loving to grow over damp rocks, where it

forms a carpet of green and is covered with pretty white flowers. The soft blue of *Phlox divaricata* and its white variety are plentiful, also *P. subulata*. On the higher places *Rhododendron Kaempferi* is just commencing to flower, while covering the larger rocks in many places were quantities of *Hydrangea petiolaris*. The pink flowered *Saxifraga cordifolia* does well and *Leucocymum aestivum* looking like a large white snowdrop was flourishing, many of the flower scapes a foot high. The delicate mauve-blue Virginian cowslip (*Mertensia virginica*) flourishes close beside the water, while higher up grows the sweet scented *Daphne Cneorum*, also one of the gems of the rockery. Another very interesting subject noticed was *Gentiana acaulis*, usually a difficult plant to establish, but here grows one of the finest patches to be seen for many a mile. A moist, cool situation with good drainage is essential for success with this plant. Primulas abound in several places, usually near the water. The yellow *Alyssum saxatile* does well hanging over the front of a rock. *Aubrietias*, *Arabis* and *Erythroniums* are right at home. The pretty rose colored *Helonias bullata* is seldom seen in gardens, but is flourishing here in the damper portions of the rockery. In one shady part the blue *Anemone blanda* and other species are prevalent. Dwarf irises, *Euphorbia polychroma*, *Fritillarias*, *imperialis* and *Meleagris*, *Dodecatheon Meadia* and violets especially by the side of the walks are very much at home. *Viburnum Carlesii*, *Rhododendron carolinianum*, *Doronicums* and tulips of various species are all in abundant

evidence. Stepping stones and water falls make this rockery a place one could linger in indefinitely, and also it was noticed that fortunately there is lots of room left for further extension of this charming feature.

There are other things besides the rockery here. Adjoining the residence is a conservatory full of showy flowering plants. A small flower garden is glorious with pansies and tulips, with peonies to flower later.

#### CLUB AND SOCIETY NOTES.

Four exhibitions, open to commercial growers, private estates and amateurs, will be held by the Houghton Horticultural Society, of Lynn, Mass. Numerous prizes are offered. The first exhibition will be held June 2 and 3 at the Public Library and will include hardy herbaceous flowers and German irises. Roses, peonies and hardy flowers will be exhibited June 23 and 24 and sweet peas July 14 and 15. The 42d annual autumn exhibition and festival will be held in Odd Fellows' hall Sept. 19, 20 and 21. For this exhibition 107 prizes will be given. Cash prizes are to be awarded in memory of former members of the society.

The Worcester County, Mass., Horticultural Society's May exhibit in Horticultural Hall on May 11, was declared one of the best May exhibits the society has had in years. The potted plants were of exceptional fine quality, and table decorations were artistically designed. H. F. A. Lange, E. W. Breed, A. W. Hixon, Lucy M. Coulson, Mrs. L. C. Midgley and Mrs. W. E. Sargent were among the prominent prize winners.

EFFECTS OF THE WINTER IN THE  
ARNOLD ARBORETUM.

The high temperature of January started the development of the flower-buds of some plants, for example those of the Silver Maple (*Acer saccharinum*) which was in full flower on the first day of February, or several weeks before the usual time. January was followed by two months of cold weather and frequent snow-storms. The snow protected small plants which without this covering would probably have suffered, and the number of plants that have been killed or seriously injured in the Arboretum is surprisingly small. The flower-buds, however, of many plants have been entirely or partially killed, while other plants which in an ordinary season lose their buds have not suffered and promise to yield unusual crops of flowers. The flower-buds of all Peach trees are killed but those of the Plums and Crabapples appear to be uninjured. The spring is from ten to twelve days later than usual.

Rhododendrons have suffered less than they did in the winter of 1914-15. Occasionally a leaf has been browned or a small branch killed, but apparently a good many flower-buds have suffered and the prospect for flowers is not so good as usual. *Rhododendron ponticum*, which usually suffers in this climate, appears to be killed outright. This plant which is so hardy in England, where it sometimes becomes a troublesome weed, has seriously interfered with the successful cultivation of Rhododendrons in this part of the world, for it has been used in European nurseries as stock on which is grafted the hybrids and varieties of other species, and the hardiness and vigor of many of these plants has been unfavorably influenced by this tender stock. A little hybrid Rhododendron known as *R. praecox*, "Little Gem," is perfectly hardy here but it blooms so early that in about nine years out of ten the flowers after they open are spoiled by frost. This year not a flower-bud has been injured and the plants are now in flower.

Forsythias. Many flower-buds of these plants have been killed as they were two years ago. In the low ground of the general shrub collection the flower-buds of all the species and varieties of Forsythia have been entirely killed with the exception of those of the Albanian *F. europaea* which are uninjured. If the flower-buds of this species are better able to support cold than those of the other species, which are all natives of eastern continental Asia, the European plant should be better known and more generally cultivated. One of the last plants discovered in Europe, it is a vigorous, fast-growing shrub with more erect stems and branches than are usually found in the other species of this genus. The flowers are not quite so showy as those of *F. suspensa* and its hybrids and varieties, but they are always abundantly

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9 to 11 inch, 125 bulbs in a case	17.00	160.00
<b>Lilium speciosum rubrum—Cold Storage</b>		
9 to 11 inch, 125 bulbs in a case	11.00	105.00
<b>Lilium speciosum Melpomene—Cold Storage</b>		
9 to 11 inch, 125 bulbs in a case	11.00	105.00

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produced and of good color. This plant is still rare in gardens and it is doubtful if it can be found in American nurseries.

Magnolias. The Japanese shrubby species, *Magnolia stellata*, is usually

the first of the Magnolias to flower in the Arboretum and the petals are sometimes browned by a late frost. This year many of the flower-buds have been killed and only a few flowers much reduced in size are now

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Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost. Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word  
Undisplayed

## Thorburn's GLADIOLUS

Various Choice Mixed  
Varieties

See our Florists' Catalogue and ask for special prices.

**J. M. THORBURN & CO.,**  
53 Barclay St., New York

## FOR GLADIOLUS

PENDLETON,  
HALLEY, Etc.

Send to Childs  
**John Lewis Childs, Inc.**

FLOWERFIELD, L. I., NEW YORK

**J. BOLGIANO & SON**

WHOLESALE FIELD AND GARDEN SEEDS

Established 1818

Write For Our Low Prices

**LIGHT, PRATT and ELLICOTT STS.**  
BALTIMORE, MD.

## MIGNONETTE

IMPROVED ECLIPSE.

Superior to all others for winter blooming, exhibition, or cutting. Immense fragrant spikes 10 to 15 inches long. Greenhouse grown seed from a re-selected strain. Pkt. 25c., 1/16 oz. \$1.00. Catalogue upon application.

**THOMAS J. GREY CO., Seedsmen**

29 So. Market St., Boston, Mass.

## BURNETT BROTHERS

Importers and Growers of

**SEEDS, BULBS, PLANTS, &c.**

98 Chambers Street, New York

**JAMES VICK'S SONS**

Seedsmen, Nurserymen,  
Florists

**ROCHESTER, N. Y.**

**ALEX. McCONNELL**611 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or indicated by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or cash must accompany all orders from unknown correspondents.  
Cable Address, ALEXCONNELL.

**For KANSAS CITY**

Transfer Your Orders to

**SAMUEL MURRAY**

1017 Grand Avenue

Members Florists' Telegraph Delivery

Orders for New York. Write or Phone to

**MAX SCHLING**

22 West 59th Street. — Adjoining Plaza Hotel

Best Florists in the States as References.  
EUROPEAN ORDERS EXECUTED.  
Members of the Florists' Telegraph Delivery.

**The Park Floral Co.**

J. A. VALENTINE, Pres.

Members Florists' Telegraph Delivery.

**DENVER, COLORADO****DAVID CLARKE'S SONS**

Deliver orders from any part of the country to  
New York City

**Or OUT-GOING STEAMERS**

Write or Telegraph

2139-2141 Broadway, — New York  
Telephone 1543-1543 Columbus

**YOUNG & NUGENT**42 West 28 Street  
New York

Members Florists' Telegraph Delivery

**G. E. M. STUMPP**

761 Fifth Ave.

**NEW YORK CITY**

Member Florists' Telegraph Delivery Asso.

**WORCESTER, MASS.**

Randall's Flower Shop

HARRY L. RANDALL, Proprietor.

Member Florists' Telegraph Delivery Association

**Of Interest to Retail Florists**

NEW FLOWER STORES.

Merrill Park, Ill.—Wilson Floral Co.  
Des Moines, Ia.—Wilson Floral Co.  
Ironwood, Mich.—Wilson Floral Co.

Bisbee, Ariz.—Wilson Floral Co.  
Street.

Fort Worth, Tex.—Wilson Floral Co.  
St. Louis, Mo.—Wilson Floral Co.

Youngstown, O.—Park Flower Shop,  
W. Floral Co.

Rochester, N. Y.—Friedman, Miller  
W. Floral Co.

Columbus, O.—Snyder Great Flower  
Shop, 1101 East 1st street.

Atlantic City, N. J.—London Flower  
Shop, 1010 North 1st street.

Canton, N. Y.—M. A. Gibson, 1010  
up to Home Telephone building, 1010  
street.

Providence, R. I.—Oakley & Powers,  
1010 street, E. E. Howard, Weymouth  
set street.

Chicago, Ill.—Wm. Dolesdale, Para-  
diser Florist, 6534 S. Halsted street;  
Boukidis & Gavares, 102 S. State  
street.

**NEWS NOTES.**

Burlington, Vt.—Miss Frances Hill  
has accepted a position with W. E.  
Peters, the florist.

Exeter, N. H.—John R. Perkins has  
bought the florist business long con-  
ducted by his father, William S.  
Perkins.

Syracuse, N. J.—Frederick Meer-  
bott, florist, has filed a suit for \$10,000  
against the Public Service Gas Co.,  
claiming that gas escaping from the  
company's pipes has ruined many  
plants and flowers in his greenhouses  
on Paterson Plankroad.

Worcester, Mass. — "Horticultural  
Day" was the attraction for Worcester  
Rotary Club members at the weekly  
luncheon on May 11, in Bancroft Hotel.  
Harry I. Randall presided and the  
speaker was Adrian Van Leeuwen. An  
attractive horticultural display was  
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hotel.

—James Whitcomb Riley.

**WHY**

*Jinn* The Florist?  
4 Park St., Boston, Mass.

Because Satisfaction  
Is Guaranteed

Established 1874

**DARDS**  
FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City  
(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspond-  
ence in all the large cities of Europe and the British  
Colonies. Telegraph and Cable address Dardsflor

**JOHN BREITMEYER'S SONS**Cor. Broadway and Gratiot Aves.  
DETROIT, MICH.

Artistic Designs . . .  
High Grade Cut Blooms

We cover all Michigan points and good  
sections of Ohio, Indiana and Canada.  
Members Florists' Telegraph Delivery  
Association.



GUIDE BROS. CO.

WASHINGTON, D. C.

Member Florists' Telegraph Delivery

**IN THE  
National Capital**

At your service to deliver Flowers  
or Designs on Order by Tele-  
graph or otherwise. Prompt  
Reliable Service.

**GEORGE H. COOKE**

Connecticut Ave. and L St.  
WASHINGTON, D. C.

Rochester, N. Y.

**I. B. KELLER SONS,  
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 506 Long Dist. Bell Phone 2886  
Members Florists' Telegraph Delivery

**"THE HOME OF FLOWERS"**

The largest cut flower store in America.  
Orders for the TWIN CITIES and for all  
Northwestern points given prompt at-  
tention.

HOLM & OLSON, Incorporated  
ST. PAUL, MINN.

**THE ROSERY**

23 STEUBEN ST.

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY  
AND VICINITY

Members Florists' Telegraph Delivery

**A. T. BUNYARD  
NEW YORK**

413 Madison Avenue at 48th Street.

WE GUARANTEE SATISFACTION  
MEMBER F. T. D. A.

# CHICAGO Send Your Orders to WILLIAM J. SMYTH

Member Florists' Telegraph  
Delivery Association

Michigan Ave. at 31st Street

Prompt Auto Delivery  
Service

**THOS. F. GALVIN**  
INC.  
**NEW YORK** 561 Fifth Ave.  
Vanderbilt Hotel  
**BOSTON** 1 Park Street  
799 Boylston Street  
Deliveries to Steamers and all Eastern Ports

## CLEVELAND

**A. GRAHAM & SON**  
5523 Euclid Ave.  
Will take good care of your orders  
Members of F. T. D. Association.

## WASHINGTON

915 F ST. N. W.  
**F. H. KRAMER**  
Auto delivery of Designs and Flowers to  
any address in Washington.  
Stock and Work First Class

Orders Filled Day or Night for  
**CLEVELAND**  
and State of Ohio

Complete Stock. Regular discount to Trade.  
**KNOBLE BROS.**  
1836 W. 25th St., Cleveland, O.  
Members Florists' Telegraph Delivery Ass'n.

**THE SMITH & FETTERS CO.**  
735 Euclid Avenue  
**CLEVELAND, OHIO**

Flowers of Every Kind in Season

**SALTER BROS.**  
FLORISTS

38 Main Street, West  
**ROCHESTER, - N. Y.**

**HESS & SWOBODA**  
FLORISTS

Telephones 1501 and L 1532.  
1415 Farnum St.,

**OMAHA, NEB.**

**S. A. ANDERSON**

440 Main St., Buffalo, N. Y.  
ANDERSON service means fresh, sturdy  
Stock and prompt deliveries in BUFFALO,  
LOCKPORT, NIAGARA FALLS and  
WESTERN NEW YORK.  
Members of Florists' Telegraph Delivery.

**KERR** ORDERS FOR TEXAS  
HOUSTON, TEXAS  
The Florist Member F. T. D. Association

## IN THE HEART OF THE COMMONWEALTH

Centrally Located for Deliveries in All Parts of New England.

**H. F. A. LANGE**

125,000 Sq. Ft. of Glass  
WORCESTER, MASS.

## Flowers by Telegraph

Leading Retail Florists Listed by  
Towns for Ready Reference. Orders  
transferred by telegram or otherwise  
to any of the firms whose address is  
here given will be promptly and properly  
filled and delivered.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl  
St.  
Albany, N. Y.—The Rosery, 23 Steuben  
St.  
Albany, N. Y.—William C. Gloeckner, 97  
State St.  
Boston—Thos. F. Galvin, 1 Park St.  
Boston—Penn the Florist, 124 Tremont  
St.  
Boston—Zinn the Florist, 4 Park St.  
Buffalo, N. Y.—S. A. Anderson, 440 Main  
St.  
Buffalo, N. Y.—Palmer's, 304 Main St.  
Chicago—William J. Smyth, Michigan  
Ave. and 31st St.  
Cleveland, O.—J. M. Gasser Co., Euclid  
Ave.  
Cleveland, O.—Adam Graham & Sons,  
5523 Euclid Ave.  
Cleveland, O.—Knoble Bros., 1836 W. 25th  
St.  
Cleveland, O.—The Smith & Feters Co.,  
735 Euclid Ave.  
Denver, Col.—Park Floral Co., 1643  
Broadway.  
Detroit, Mich.—J. Breitmeyer's Sons,  
corner Broadway and Gratiot Ave.  
Houston, Tex.—Kerr, The Florist.  
Kansas City, Mo.—Samuel Murray, 1017  
Grand Ave.  
New London, Conn.—Reuter's.  
New York—David Clarke's Sons, 2139-  
2141 Broadway.  
New York—Alex. McConnell, 611 5th Ave.  
New York—Young & Nugent, 42 W. 28th.  
New York—Dards, N. E. corner 44th St.  
and Madison Ave.  
New York—Max Schling, 22 W. 59th St.  
New York—G. E. M. Stumpp, 761 Fifth  
Ave.  
New York—Thos. F. Galvin, Fifth Ave.,  
at 46th St.  
New York—A. T. Bunyard, 413 Madison  
Ave., at 48th St.  
Norwich, Conn.—Reuter's.  
Omaha, Neb.—Hess & Swoboda, 1415  
Farnum St.  
Rochester, N. Y.—J. B. Keller Sons, 25  
Clinton Ave., N.  
Rochester, N. Y.—Salter Bros., 38 Main  
St., West.  
San Francisco—Pelicano, Rossi & Co., 123  
Kearny St.  
St. Louis, Mo.—Fred C. Weber, 4326-28  
Olive St.  
St. Paul, Minn.—Holm & Olson, Inc.  
Tarrytown-on-Hudson, N. Y.—F. R. Pier-  
son Co.  
Toronto, Can.—J. H. Dunlop, 8-10 West  
Adelaide St.  
Washington, D. C.—Gude Bros., 1241 F  
St.  
Washington, D. C.—F. H. Kramer, 915  
F St., N. W.  
Washington, D. C.—George H. Cooke,  
Connecticut Ave. and L St.  
Westerly, R. I.—Reuter's.  
Worcester, Mass.—H. F. A. Lange.  
Worcester, Mass.—Randall's Flower Shop,  
3 Pleasant St.

**Penn** The Florist

"The Telegraph Florist"

Member of Florists' Telegraph Delivery

124 Tremont St., BOSTON

**REUTER'S** Members Florists  
Telegraph  
Delivery

STORES IN

New London and Norwich, Conn.  
and Westerly, R. I.

We cover the territory between  
New Haven and Providence  
**ST. LOUIS, MO.**

**FRED C. WEBER**  
4326-28 Olive St.

Member Florists' Telegraph Delivery Association  
NOTICE INITIALS. We have one store only

**THE J. M. GASSER COMPANY,**

**CLEVELAND**

Euclid Avenue

The Far-Famed Flowers of

**TORONTO**

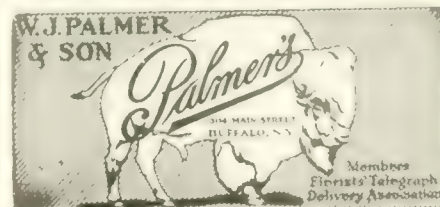
Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP**  
8-10 West Adelaide St. - TORONTO, ONT.

ALBANY, N. Y.

**EYRES**  
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER  
11 NORTH PEARL STREET, ALBANY, N. Y.





# Memorial Day Profits

May be very much increased by good judgment in selection of supplies. We offer **CREPE FLOWERS**, such as Roses, Wisteria, Carnations, etc.; **MAGNOLIA LEAVES**, green and brown, in cartons and bulk—no torn or mouldy leaves; famous **HIGRADE METAL WREATHS**, home-made, fresh from the factory to you—no shop-worn stock sent out; **CEMETERY VASES** of iron or tin and enamelled tin; **CAPE FLOWERS**, best in the world.

*Push your order along and have the goods to show.*

## "HERE COMES THE BRIDE"

**FOR THE JUNE WEDDING** we have Lace Bridal Holders, Wedding Cords, Wedding Posts, Wedding Gates, Kneeling Stools, Gauze Chiffons for Shower Bouquets; Bridal Scarfs, Resting Baskets, Shepherd's Crooks, Directoire Staffs.

### FOR GRADUATIONS

**Hi-Art Decorative Commencement Baskets and all other accessories.** Stock up now and have the goods to show customers. Send for prices and you will be astonished to see how much you can do with a little money when you go straight to headquarters—**THE FLORISTS' SUPPLY HOUSE OF AMERICA.**

# H. BAYERSDORFER & CO.

1129 Arch Street, PHILADELPHIA, PA.

few retailers did not then and would not now obtain stocks direct from the grower, thereby automatically and unnecessarily robbing the commission men of what in my opinion are his just commissions. See how inconsistent that is. Under the existing and at times more or less chaotic conditions of the business which imposes a hardship on the commission men to do business on a 15 per cent. basis, to do business in such a way as to bring out the best efforts, is no sinecure, and I feel positive that a large proportion of the commission men, if the truth be known, could testify that it is not possible to earn an income above an amount necessary for a respectable living on a 15 per cent. basis, hardly earning enough that could be considered commensurate with the responsibilities and risks taken and untiring energy put forth in the distributing of the stocks in order to obtain the highest possible market prices. I insist that if the commission men would not use every aggressive method, generally accepted as wise by progressive merchants, they could reduce their selling expenses by selling in bulk often at great sacrifice (selling in bulk when

market is glutted, acts as a great advertising medium) but this method would not always be in line with best endeavor and while the wholesalers may save on the item of selling expenses the consignor will positively be the chief sufferer thereby while some wholesalers may encourage selling to outsiders. I firmly believe that the far-sighted ones—those who are tried and experienced merchants—do not encourage and engage in selling to other than retailers. There should be a greater degree of mutual understanding and confidence among the various groups in our business.

So in closing, I say I thoroughly believe that the three groups—the grower, the wholesaler, and the retailer, could by co-operating materially enhance the whole industry. Each is necessary to the other; each has his special function and is a vital unit in our whole economic structure. Volumes more could be written on the subject but I feel that I have covered a good deal of the ground, while not very thoroughly, still to the extent that my thoughts may inspire our leaders to make an honest effort towards further wholesome progress and in my

opinion this can only be accomplished by approaching and treating each question from the principle of merit.

### HAIL STORM IN ST. LOUIS.

There was considerable loss of glass sustained by the South End florists when a sudden hail storm broke out at 5.30 P. M. May 13 and made an almost complete job of it, it being estimated that the loss will average 60 per cent. Among those who lost heavily were F. J. Fillmore, Wm. Schray & Sons, John M. Walther, F. W. Bruenig, W. H. Kruse, Chas. Juengel, John Held and Meurer Bros. Others not quite so heavy were G. B. Windler, A. Meyer, Jr., Fred W. Pape, C. Bergestermann, M. Herzog, Chas. Beyer, H. J. Weber & Sons, John G. Knoll and Fred Loewenan. F. Fillmore, Emil Schray and John Walther, who sustained the greatest loss, say there was no time for sheltering any of the houses, as the storm broke so suddenly, and aside from the loss of glass, considerable damage was done to bedding stock, which was cut to pieces. About 50 per cent. of the glass lost was insured by the Hail Association.

A Florist's  
Necessity

# HART'S HANDY HANDLE

Fits securely on any standard pot and by the use of a little chiffon or ribbon gives you a Basket effect at a very small additional expense, increasing the price of your plants 100 per cent.

1 12 inches high, \$2.50 per doz.	4 24 inches high, \$5.00 per doz.
2 15 " " 3.50 " "	5 30 " " 6.50 " "
3 18 " " 4.00 " "	6 36 " " 9.00 " "

At Your Dealer's or Direct.

**GEO. B. HART, Manufacturer, 24 to 30 Stone Street, Rochester, N. Y.**

FOR DECORATION DAY  
NEW CROP  
**DAGGER FERNs**  
5000 FOR \$10.00

Long Ferns Extra Fine

**THE LEO NIESSEN CO.**

Wholesale Florists

1201-05 Race Street,

PHILADELPHIA, PA.

**EDWARD REID**  
WHOLESALE FLORIST

1619 - 21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES  
and all Seasonable Varieties of Cut Flowers

**REED & KELLER**  
122 West 25th St., New York  
**Florists' Supplies**

We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Decorative Glassware, Growers and  
Florists' Requisites

**Wired Toothpicks**

Manufactured by

**W. J. COWEE, Berlin, N. Y.**

10,000...\$1.85, 50,000...\$8.00. Sample free.  
For sale by dealers.

**E. G. HILL CO.**

Wholesale Florists

**RIEHOOND, IND.**

Please mention Horticulture when writing.

**MICHIGAN CUT FLOWER**  
**EXCHANGE, Inc.**

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH.

Telephone 3880 Madison Square

**WOODROW & MARKETOS**

WHOLESALE

**Plantmen and Florists**

37 and 39 West 28th St., NEW YORK



When writing to advertisers kindly  
mention HORTICULTURE.

**TRY**  
**Horticulture's Advertisers**  
**FIRST**  
Before Looking Elsewhere

Tell Them You Did So And  
They'll Reciprocate

**POEHLMANN BROS. CO.**

Supply of Best Cut Flowers all the Year Around  
**72-74 EAST RANDOLPH ST., - - - CHICAGO.**

If interested, send us your name and address for our weekly price list

**WELCH BROS. CO.** Wholesale Cut  
Flower Market

Daily consignments from leading growers Full line of Florists' Supplies Write for quotations before ordering elsewhere

**226 DEVONSHIRE ST., BOSTON, MASS.**  
Telephone, Main 6267-6268

**WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY**

	BOSTON May 13		ST. LOUIS May 8		PHILA. May 13	
<b>Roses</b>						
Am. Beauty, Special	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00
" " Fancy and Extra	10.00	to 15.00	10.00	to 15.00	10.00	to 15.00
" " N. Y.	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Russell, Hadley	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00
Killarney, Richmond, Hillingdon, Ward, Extra	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
" " Ordinary	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Arenburg, Radiance, Taft, Key, Extra	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00
" " Ordinary	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Ophelia, Mock, Sanburst, Extra	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00
" " Ordinary	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
<b>Carnations</b>						
Fancy	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Ordinary	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
<b>Cattleyas</b>						
Dendrobium formosum	4.00	to 5.00	4.00	to 5.00	4.00	to 5.00
Lilies, Longiflorum	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00
" " Rubrum	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Callas	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Lily of the Valley	3.00	to 5.00	3.00	to 5.00	3.00	to 5.00
Daisies	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Violets	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Mignonette	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Snapdragon	4.00	to 8.00	4.00	to 8.00	4.00	to 8.00
Daffodils	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Gladioli	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Tulips	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Hyacinths	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Freesia	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Calendulas	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Lilac	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Sweet Peas	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Gardenias	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Adiantum	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Smilax	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Asparagus Plumosus, & Spreng. (too Rich)	25.00	to 35.00	25.00	to 35.00	25.00	to 35.00

**WILLIAM F. KASTING Co.**

Wholesale Florists

383-387 ELLICOTT ST. - - - BUFFALO, N. Y.

**J. A. BUDLONG**

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and  
CARNATIONS  
A Specialty

WHOLESALE  
GROWER of **CUT FLOWERS**

## Flower Market Reports

### BOSTON

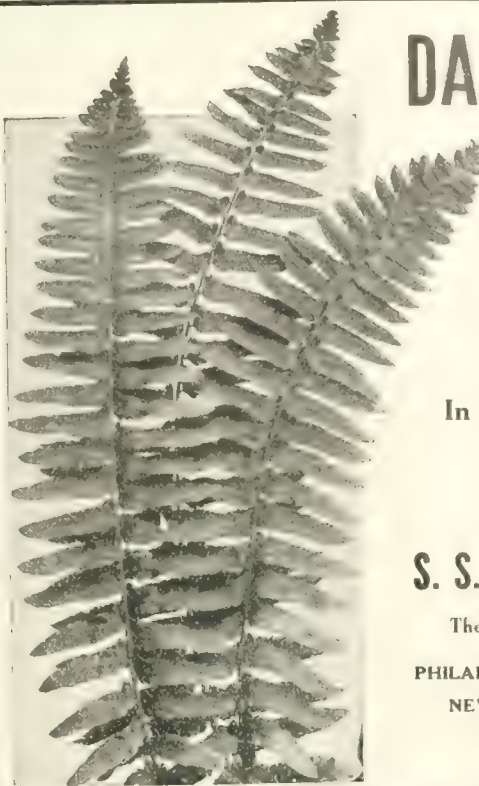
Despite the overhanging skies and inclement weather market conditions have improved considerably over those existing last week. The volume of business has steadily increased and prices have been stiff and unyielding. Carnations, colored varieties only, are a trifle too plentiful but white on the other hand is decidedly scarce. The growers are not holding back for prices are ideal for them and they are taking advantage of the situation. Roses, short grades particularly, are moving rapidly, but Beauties still continue to show the effect of last week's slump. Snapdragon is coming in heavily and much is being thrown away after unsuccessful attempts have been made to sell it. The same is true of sweet peas. The market is literally flooded with them. They are still being shipped in heavily by the growers and there is no relief in sight. Cattleyas are scarcer than usual with the demand running rather high. Both callas and lilies are being disposed of readily at fair prices, and they are practically the only things which have remained in a normal state. The new crop of southern ferns have arrived to relieve the depressing scarcity and are eagerly bought up at \$2.00 a thousand. Taken in its entirety the market has passed through a very favorable state.

### BUFFALO

Last week was almost a holiday week, considering the volume of business done. On some lines a scarcity was seen. Of course the demand fell toward carnations for Mothers' Day and the buying was brisk especially for white. The supply was very short, which helped the sale of roses and other stock. There was an oversupply of lilies and these had to be forced. Prices were all cut up to move the heavy quantity of lilies received. Peas fell short, and on Saturday night the market was cleaned up on everything.

### CHICAGO

The opening of the peony season is the important event of the week. A few early ones had struggled in, but May 15 saw the counters of the wholesale houses heaped with the big packages. The warm weather has brought out the stock in southern and central Illinois and prices are from 4 cents to 8 cents, which is not a high beginning. Lilacs are also coming in quantity and there is no fixed price, as each day varies. There has never been a finer lot of snapdragons in this market and the sale is steady. Iris, too, is in good demand and quality very good. Sweet peas are cleaning up well and cover quite a range in price with deep coloring quite marked as bright weather is more general. Of carnations there are none too many when any extra demand comes. Roses are in good crop and quality all that could be desired. Outdoor gladioli and Darwin tulips are still to be had in quantity. White and yellow daisies, always in demand at commencement time, are bringing good returns. A few violets are finding slow sale. Rose Hoosier Beauty is making a fine record.



## DAGGER FERNS

Nearby's, superior in every way to imported Ferns, a little more expensive, but cheaper in the end.

**\$2.50 per 1000**

**In lots of 5000, \$2 per 1000**

**SPECIAL PRICES  
TO WHOLESALERS**

**S. S. PENNOCK-MEEHAN CO.**

The Wholesale Florists of Philadelphia

PHILADELPHIA, 1608-1620 Ludlow St.

NEW YORK, 117 W. 28th St.

BALTIMORE, Franklin & St. Paul Sts.

WASHINGTON, 1216 H St., N. W.

## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI May 8		CHICAGO May 1		BUFFALO May 8		PITTSBURG May 8	
<b>Roses</b>								
Am. Beauty, Special.....	35.00	to 40.00	30.00	to 40.00	20.00	to 25.00	20.00	to 25.00
" " Fancy and Extra.....	25.00	to 30.00	20.00	to 30.00	15.00	to 20.00	10.00	to 15.00
" " No. 1.....	15.00	to 20.00	10.00	to 15.00	8.00	to 10.00	6.00	to 8.00
Russell, Hadley.....	8.00	to 15.00	4.00	to 25.00	6.00	to 8.00	4.00	to 12.00
Killarney, Rich'd, Hill'don, Ward	8.00	to 12.00	8.00	to 12.00	4.00	to 6.00	0.00	to 12.00
" " Ord.	4.00	to 6.00	3.00	to 6.00	3.00	to 4.00	.....	to 4.00
Arenburg, Radiance, Taft, Key, Ex.	8.00	to 12.00	8.00	to 12.00	0.00	to 8.00	6.00	to 12.00
" " Ord.	4.00	to 6.00	3.00	to 6.00	3.00	to 4.00	.....	to 4.00
Ophelia, Mock, Sunburst, Extra...	8.00	to 12.00	8.00	to 15.00	6.00	to 8.00	6.00	to 12.00
" " Ordinary	4.00	to 6.00	3.00	to 5.00	3.00	to 6.00	.....	to 4.00
Carnations, Fancy.....	4.00	to 5.00	3.00	to 5.00	2.00	to 3.00	4.00	to 6.00
" " Ordinary.....	4.00	to 3.00	2.00	to 3.00	1.00	to 1.50	2.00	to 3.00
Cattleyas.....	60.00	to 75.00	50.00	to 75.00	40.00	to 50.00	60.00	to 75.00
Dendrobium formosum.....	8.00	to 10.00	8.00	to 12.00	6.00	to 10.00	6.00	to 8.00
Lilies, Longiflorum.....	.....	to 8.00	6.00	to 12.00	6.00	to 10.00	8.00	to 10.00
" " Rubrum.....	.....	to 8.00	6.00	to 12.00	6.00	to 10.00	8.00	to 10.00
Callas.....	6.00	to 8.00	3.00	to 4.00	4.00	to 5.00	4.00	to 5.00
Lily of the Valley.....	.....	to 5.00	1.00	to 2.00	1.00	to 2.00	1.50	to 3.00
Daisies.....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Violets.....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Mignonette.....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Snapdragon.....	6.00	to 10.00	6.00	to 12.00	3.00	to 6.00	4.00	to 8.00
Daffodils.....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Gladioli.....	4.00	to 6.00	.....	to 6.00	.....	to 6.00	.....	to 6.00
Tulips.....	.....	to 3.00	3.00	to 3.00	1.00	to 2.00	.....	to 3.00
Hyacinths.....	.....	to 2.00	.....	to 2.00	.....	to 2.00	.....	to 2.00
Freesia.....	.....	to 3.00	.....	to 3.00	.....	to 3.00	.....	to 3.00
Calendulas.....	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00
Lilac (per bun h).....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Sweet Peas.....	.35	to .75	.75	to 1.50	.50	to 1.50	.50	to 1.50
Gardenias.....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Adiantum.....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Smilax.....	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00
Asparagus Plu. & Spreng. (100 Bhs.)	25.00	to 50.00	25.00	to 50.00	40.00	to 50.00	40.00	to 50.00

## NEW CROP

**CALDWELL THE WOODSMAN CO., - EVERGREEN, ALA.**

Taken as a week business was by far the best this market has had for that day. A heavy demand easily took up the receipts at good prices. Shrimp business, particularly in roses and carnations was very large. Quite a number of the carnations, and for that matter some of the other stock, were so badly pickled that they were unfit

FANCY \$1.35 PER 1000  
DAGGER \$1.15 PER 1000  
GREEN SHEET MOSS FOR HANGING  
BASKETS \$1.75 PER BAG  
PERPETUATED MOSS \$3.50 PER BAG  
HUCKLEBERRY FOLIAGE \$2.50 PER  
CASE  
LARATA (Evergreen Oak) \$2.50 PER  
CASE

for use. Roses are in a good supply and include some very excellent blooms. Carnations were cut very close for Mothers' Day but by the middle of the week became again plentiful. Lily receipts exceed the demand for them. Sweet peas are very plentiful. Peonies may be had and the supply of both forced and outdoor gladioli is large.

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Choice Cut Flowers

New Address, 148 West 26th St., NEW YORK

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Madison Square

**New York**

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Call and inspect the Best Establishment  
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Consignments Solicited

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Ferns, Mosses, Wild Smilax, Galax,  
Leucothoe, Palmetto, Cycas, both fresh  
cut and prepared.

Laurel, Hamlock, all Decorative Evergreens.  
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Telephones 1664 / 1665 / Madison Square

CONSIGNMENTS SOLICITED

NEW YORK QUOTATIONS PER 100. To Dealers Only

**ROSES AND CARNATIONS**

	Last Half of Week ending May 13 1916		First Half of Week beginning May 15 1916	
American Beauty, Special	20.00	to 25.00	15.00	to 20.00
" " Fancy and Extra	10.00	to 15.00	6.00	to 12.00
" " No. 1	3.00	to 6.00	1.00	to 3.00
Russell, Hadley	1.00	to 15.00	1.00	to 15.00
Killarney, Richmond, Hillingdon, Ward, Extra	2.00	to 6.00	3.00	to 6.00
" " Ordinary	1.00	to 3.00	1.00	to 3.00
Arenburg, Radiance, Taft, Key, Extra	3.00	to 6.00	3.00	to 6.00
" " Ordinary	1.00	to 3.00	1.00	to 3.00
Ophelia, Mock, Sunburst, Extra	2.00	to 6.00	3.00	to 6.00
" " Ordinary	1.00	to 3.00	1.00	to 3.00
Carnations, Fancy	3.00	to 6.00	1.00	to 3.00
" " Ordinary	2.00	to 3.00	1.00	to 2.50

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Orchids, Gardenias and Many Unusual  
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NEW YORK

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WHOLESALE FLORISTS

55-57 West 26th Street

Telephones, 13-8510 Madison Square

Consignments Solicited

MAURICE L. GLASS, Treasurer

## Flower Market Reports

(Continued from page 705)

Last week was one of the most drowsy and lackadaisical the wholesale flower district has experienced in a long time. Of course there was the Mother's Day fuss towards the end of the week, which pretty well towelled up the carnation end of the business and was the occasion of more or less tumult and not a little acerbity of temper, the net result being a clean-up of white varieties at inflated prices and a redundancy of pink and red ones of questionable age, many of which were left over for garbage purposes Monday morning. There is an enormous overload of Spanish irises, sweet peas, snapdragon, yellow daisies, etc., just at present and the congestion is intensified by the receipt of immense quantities of lilacs, apple blossoms, dogwood and other garden shrub and tree bloom as well as outdoor bulbous flowers, etc. Heavy shipments of peonies arriving from the south and in excellent condition. All these factors have contributed to break the back of the flower market but it will not be for long as the finishing of these spontaneous crops will be sure to leave a keen June market for the choicer goods.

In the rose market the past week the best demand was on the shorter grades and especially so in the white classes. Long-stemmed stock went rather slowly and prices were not as satisfactory as they should have been for fancy quality. There were too many carnations early in the week, but they cleaned up fairly well by Friday and Saturday. There was very little advance in price except on white. Even the white went at regular prices by the high-grade retail stores, as they wished to show their customers they appreciated regular trade. Cattleyas are still bringing fairly good prices and there is enough stock around to satisfy all demands. Lily of the valley of the indoor brand brings the usual figures, although there is a lot of fine outdoor stock at present going for very little. We wonder are those buyers really more of the sheep than we have been imputing to them for all these years. It seems so. Some of that outdoor stock going for a dollar is worth more than the five-dollar indoor. And yet these slaves of habit must pay the five. Sweet peas hold their own very well. Gladioli, indoor and southern, and in "Baby" and "Grandiflora" are now plentiful and good. Snapdragon goes well in the fancy grades, but there is an immense lot of poor stock. Daffodils are nearly over.

Mother's Day is steadily growing in popularity. Last Sunday by far over-reached any previous celebration of the day. Indeed, at least one retail firm finally had to resort to white paper flowers, after disposing of cut blooms of all varie-

(Continued on page 711)

STRAIGHT WHOLESALE ONLY

# FRANK MILLANG

## CUT FLOWERS

55-57 W. 26th St., NEW YORK  
NO DESIGNS MADE UP

## We are WHOLESALE FLORISTS

We handle every variety of cut flowers. We have 22 years' experience behind us, and we do not expect a gold medal for doing our full duty by our consignors and customers. You cannot go very far wrong when dealing with us.

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STORE OPEN FOR BUSINESS AT 6 A.M.

## NEW YORK QUOTATIONS PER 100. To Dealers Only

### MISCELLANEOUS

	Last Half of Week ending May 13 1916		First Half of Week beginning May 15 1916	
Cattleyas	40.00	to 75.00	25.00	to 75.00
Dendrobium formosum	20.00	to 35.00	20.00	to 35.00
Lilies, Longiflorum	3.00	to 5.00	3.00	to 5.00
Rubrum	1.00	to 2.00	1.00	to 2.00
Callas	4.00	to 6.00	4.00	to 6.00
Lily of the Valley	2.00	to 5.00	1.00	to 5.00
Daisies	.50	to 1.00	.50	to 1.00
Violets	1.00	to 3.00	1.00	to 3.00
Mignonette	2.00	to 3.00	2.00	to 3.00
Snapdragon	2.00	to 8.00	2.00	to 8.00
Daffodils	.50	to 1.00	.50	to 1.00
Gladioli	4.00	to 5.00	4.00	to 5.00
Tulips	1.00	to 2.00	1.00	to 2.00
Hyacinths	1.00	to 2.00	1.00	to 2.00
Freesia	1.00	to 2.00	1.00	to 2.00
Calendulas	1.00	to 2.00	1.00	to 2.00
Lilac (per bunch)	.05	to .10	.05	to .10
Sweet Peas	.25	to .75	.10	to .75
Gardenias	8.00	to 15.00	8.00	to 15.00
Adiantum	.50	to 1.00	.50	to 1.00
Smilax	12.00	to 20.00	12.00	to 20.00
Asparagus Plumosus, & Spreng (100 bunches)	15.00	to 25.00	15.00	to 25.00

## I Can Sell Them For You!

I have an unlimited market for your flowers, any variety, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty-eight years in the Cut Flower Commission Business.

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Hill's Evergreens.  
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Bay State Nurseries, North Abington, Mass.  
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Bobbink & Atkins, Rutherford, N. J.  
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## PANSY PLANTS

English Pansies.

There is no other name for the celebrated pansies that are known as English Pansies. They are of many colors, including red, white, blue, yellow, and purple, and are of many different shapes and sizes. They are the most popular of all pansies and are grown in great quantities in England and America. They are sold in many different ways, including in pots, in flats, and in bulk. They are also sold in many different colors, including red, white, blue, yellow, and purple. They are the most popular of all pansies and are grown in great quantities in England and America. They are sold in many different ways, including in pots, in flats, and in bulk. They are also sold in many different colors, including red, white, blue, yellow, and purple.

LEONARD COUSINS, JR.  
Concord Junction, Mass. (Concord).

## PETUNIAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.  
For page see List of Advertisers.

## PHOENIX CANARIENSIS

In all sizes. Special price list on demand.  
JULIUS ROEHRS CO., Rutherford, N. J.

## PEONIES

Peonies. The world's greatest collection. 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

## PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.

## PIPE AND FITTINGS

Kroeschell Bros. Co., Chicago.  
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King Construction Company,  
N. Tonawanda, N. Y.  
Shelf Brackets and Pipe Hangers.  
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Plaff & Kendall, Newark, N. J.  
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## PLANT TUBS

H. A. Dreer, Philadelphia, Pa.  
"Riverton Special."

## PLANT AND BULB IMPORTS

Chas. Schwake & Co., New York City.  
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August Rolker & Sons, New York City.  
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McHutchison & Co., New York City.  
For page see List of Advertisers.

## PLANT TRELLISES AND STAKES

Seele's Tiesless Plant Stakes and Trellises. H. D. SEELE & SONS, Elkhart, Ind.

## POLYANTHUS

William Sim, Cliftondale, Mass.  
Sim's Hybrid Yellow.

## RAFFIA

McHutchison & Co., New York, N. Y.  
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## RHODODENDRONS

P. Ouwkerk, Hoboken, N. J.  
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## RIBBONS AND CHIFFONS

S. S. Pennock-Meehan Co., Philadelphia, Pa.  
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## ROSES

A. T. Boddington Co., Inc., New York City.  
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Charles H. F. Smith, New York, N. Y.  
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P. Ouwkerk, Hoboken, N. J.  
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W. & T. Smith Co., Geneva, N. Y.  
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Bay State Nurseries, North Abington, Mass.  
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A. N. Farnham, Inc., Cranwell, Conn.  
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Guthrie & R. V. R., New York City.  
Rose Prima Donna (Mme. Paul Euler).

THE CONARD & JONES COMPANY.  
Rose Specialists.  
West Grove, Pa. Send for offers.

## SEASONABLE PLANT STOCK

R. Vincent, Jr. & Sons Co., White Marsh, Md.  
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## SEEDS

Carter's Tested Seeds.  
Seeds with a Pedigree.  
Boston, Mass., and London, England.  
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Joseph Breck & Sons, Boston, Mass.  
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J. Bolgiano & Son, Baltimore, Md.  
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A. T. Boddington Co., Inc., New York City.  
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Chas. Schwake & Co., New York City.  
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Mitchell's Seed House, Philadelphia, Pa.  
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W. Atlee Burpee & Co., Philadelphia, Pa.  
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R. & J. Farquhar & Co., Boston, Mass.  
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J. M. Thorburn & Co., New York City.  
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Lochner & Co., New York City.  
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Ant. C. Zvolanek, Lompoc, Cal.  
Winter Flowering Sweet Pea Seed.  
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S. S. Skidelsky & Co., Philadelphia, Pa.  
Snapdragon.  
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W. E. Marshall & Co., New York City.  
Seeds, Plants and Bulbs.  
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August Rolker & Sons, New York City.  
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Burnett Bros., 98 Chambers St., New York.  
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Leonard Seed Co., Chicago, Ill.  
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Thomas J. Grey Co., Boston, Mass.  
Mignonette, Improved Eclipse.  
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Fottler, Fliske, Rawson Co., Boston, Mass.  
Seeds for the Florist.

## SHEAGUM MOSS

New England Florist Supply Co.,  
Boston, Mass.  
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Live Spring Moss, for pot and  
casket decoration. LAGER  
& HURRELL, New York, N. Y.

## SHELF BRACKETS

Metropolitan Material Co., Brooklyn, N. Y.  
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## SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.  
Good Model of Home Winter Opened Sweet  
Peas.  
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## TREE SURGERY

The Davey Tree Expert Co., Kent, Ohio.

## VASES

H. Bayersdorfer & Co., Philadelphia, Pa.  
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## VEGETABLE PLANTS

R. Vincent, Jr. & Sons Co.,  
White Marsh, Md.  
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Celery Plants: Golden Self-Blanching  
(French strain); fine plants, ready now;  
\$2.00 per 1000. Cash. Special prices on  
large lots. BRILL CELERY GARDENS,  
Kalamazoo, Mich.

## VENTILATING APPARATUS

The Advance Co., Richmond, Ind.  
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The John A. Evans Co., Richmond, Ind.  
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## VERMICIDES

Aphine Mfg. Co., Madison, N. J.  
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## VINCAS

13,000 Vincas Var., out of 4 inch pots,  
\$12.50 per 100. Cash please. LEONARD  
COUSINS, JR., Concord Junction, Mass.

## WEED KILLER

Pino-Lyptol Chemical Co., New York City.  
Pino-Lyptol Weed Killer.  
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## WHEAT SHEAVES

H. Bayersdorfer & Co., Philadelphia, Pa.  
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## WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.  
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## WIREWORK

Reed & Keller, New York City.  
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WILLIAM E. HEILSCHER'S WIRE  
WORKS, 264 Randolph St., Detroit, Mich.

## WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.  
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## Baltimore

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Patrick Welch, 262 Devonshire St.  
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**WHOLESALE FLORISTS**  
**Brooklyn**

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**Buffalo, N. Y.**

William F. Kasting Co., 383-87 Ellicott St.  
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**Chicago**

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J. A. Budlong, 184 North Wabash Ave.  
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**Detroit**

Michigan Cut Flower Exchange, 264-266  
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**New York**

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W. F. Sheridan, 133 W. 28th St.  
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P. J. Smith, 131 West 28th St.  
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Charles Millang, 55 and 57 West 26th St.  
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J. K. Allen, 118 West 28th St.  
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Woodrow & Marketos, 37 and 39 W. 28th St.  
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John Young & Co., 53 West 28th St.  
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M. C. Ford, 121 West 28th St.  
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United Cut Flower Co., Inc., 111 W. 28th St.  
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Henry M. Robinson Co., 55-57 W. 28th St.  
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W. R. Siebrecht, 114 West 28th St.  
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Herman Weiss, 106 West 28th St.  
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J. J. Conn, 115 West 28th St.  
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**WHOLESALE FLORISTS**  
**Philadelphia**

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Edward Reid, 1619-21 Ranstead St.  
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The S. S. Pennock-Meehan Co., 1608-20  
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**Richmond, Ind.**

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**Rochester, N. Y.**

George B. Hart, 21 Stone St.  
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The S. S. Pennock-Meehan Co., 1216 H St.,  
N. W.  
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**New Offers In This Issue****BEGONIAS AND CYCLAMEN.**

Julius Roehrs Co., Rutherford, N. J.  
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**CUT FLOWERS, WHOLESALE ONLY.**

Frank Millang, 55-57 West 26th St.,  
New York City.

**CUT FLOWERS FOR MEMORIAL DAY.**

Patrick Welch, Boston, Mass.  
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**CUT FLOWERS FOR MEMORIAL DAY.**

B. A. Snyder Co., Boston, Mass.  
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**DAGGER FERNS.**

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**DECORATION DAY FLOWERS AND SUPPLIES.**

Welch Bros. Co., Boston, Mass.  
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**HARDY PERENNIALS.**

Mitchell's Seed House, Philadelphia, Pa.  
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**HYDRANGEAS FOR SUMMER BLOOMING.**

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**JAPAN LILIES.**

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**NEW CROP DAGGER FERNS.**

H. M. Robinson & Co., Boston, Mass.  
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**NEW CROP DAGGER FERNS.**

The Leo Niessen Co., Philadelphia, Pa.  
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**PALMS, DECORATIVE AND BEDDING PLANTS.**

A. Leuthy Co., Roslindale, Mass.  
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**THE NUT-GROWER**

The unique monthly publication which furnishes reliable and interesting up-to-date information regarding the value of pecans and other edible nuts and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

**THE NUT-GROWER**

No. 2 Francis St.

WAYCROSS, GA.

**WANTS, FOR SALE, ETC.**

Advertisements in this column one cent a word. Initials count as as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 147 Summer St., Boston.

**MISCELLANEOUS**

WANTED TO RENT, with privilege of buying, 10,000 to 20,000 ft. of glass with dwelling house. Massachusetts state preferred. State full particulars in first letter. Address "T," care HORTICULTURE.

**Obituary**

Jose Krug.

Jose Krug, florist at Alton, Ill., aged 80 years, died on Tuesday, May 9. The funeral took place from his late home in Alton on May 11. Mr. Krug was well known in local trade circles and in St. Louis, where he was a regular buyer in the flower market and was greatly loved and respected.

J. Gurney Fowler.

J. Gurney Fowler died at Brackenhurst, Pembury, Eng., on April 27, after a few days' illness, in the prime of life. He was a member of the Council and treasurer of the Royal Horticultural Society and chairman of its orchid committee.

The latest meeting of the Connecticut Horticultural Society turned out to be a first-class exhibition of spring flowers. The judges awarded a first-class certificate and special mention to J. F. Huss for specimen hydrangeas and polyanthus primroses; also a first-class certificate to W. S. Mason for primroses. Mr. Huss among other things stated that the winter had been especially hard on all kinds of shrubs. The California privet hedge that surrounds the Goodwin estate has been killed in many places, which to say the least is very discouraging after years of laborious work in trimming and culture to its present excellent growth. Next meeting will be Tulip night. ALFRED DIXON, Secretary.

**In writing to Advertisers kindly mention Horticulture**

## NEWS ITEMS FROM EVERYWHERE

### BOSTON.

Henry M. Robinson, of Hiram & Beale, arrived in Boston last night on a trip to the Florida State Fair and will be in the city for a few days.

A very successful show of flowers was held at the exhibition in the May Flower Show on the second day by Julius Rochrs Company, Rutherford, N. J. It had been delayed in transit.

The Gardeners' and Florists' Club enjoyed a memorable outing on Monday, May 15, when they visited the estate of Gen. S. M. Weld at Dedham and were hospitably entertained.

Henry M. Robinson has returned from his extended southern tour, and in direct contrast to the weather which we have been having here he reports an average temperature of 90 degrees during his entire trip.

An exceptionally novel feature may be seen in Henry Penn's show windows in the shape of flower-trimmed hats. A black straw model trimmed with cattleyas and maiden hair is attracting special attention.

Victor Hartford was ill the earlier part of the week with a severe cold which threatened to develop into pneumonia. The crisis has been averted, however, and Mr. Hartford will resume his duties the first of next week.

David and Edward Welch, of Welch Bros. Co., are making extraordinary preparations for the Decoration Day rush, and with increasing shipments and every facility to handle a large business, are anticipating one of the busiest weeks of the year.

Darwin tulips are rapidly forging ahead in popularity in this market. A big advance in their relative position among the favorite forcing bulbs is noted by Patrick Welch, who has been giving them a special push. These richly colored flowers, with American Beauty roses, peonies and astilbes, will be among his leaders for Memorial Day.

Elliott Filson, the popular Waltham boy who sells Peirce Bros.' stock in the market was married on last Tuesday night to Miss Harriet Carter, also of Waltham. The ceremony took place at the bride's residence where Sam. Beck had charge of the decorations, the profusion of which elicited much praise. Mr. Filson's brother salesman presented him with a complete set of electrical household appliances, and he also received gifts from many local firms. They will spend a week among the Berkshires.

### WASHINGTON, D. C.

Adolph Gude has been honored by unanimous election as president of the Anacostia Bank.

The Harrisii lily crop this year was a pronounced success and as a result Gude Bros. Co. are going into their production for next Easter heavier than ever. They have already placed pretty heavy orders for bulbs.

A large King snake became excited last week and sunk its fangs into the left hand of Fred H. Kramer, while the latter was practicing a new act in which the reptile and several of its brothers were to play an important

part in an entertainment at the Lyceum.

Elaborate preparations are being made for the outing of the Florists' Club. The committee in charge is headed by Capt. William H. Ernest, chairman, Harry B. Lyster, George C. Smith, Thomas C. Smith, Edward S. Schmidt, William Marche and O. A. C. Schenck.

The Civil Service Commission has announced that an examination will be held early next month in Alexandria, Va., to secure eligibles for appointment as specialist in insects as carriers of plant diseases. Further information can be secured upon application to the Commission.

### CHICAGO.

The peony season is again open.

Chas. McKellar is said to be convalescing from his recent severe illness.

Mothers' Day is one occasion in which the plant sales do not nearly approach the flower sales, and the artificial flowers have as yet no foothold.

John Poehlmann was able to visit the store last week, where he found everyone on the jump filling orders. Mr. Poehlmann has been ill for some time and his presence was most welcome.

The store at 52 East Monroe street, which is just round the corner from the present location, has been secured by George Weinhoeber for August 1 and will be made a part of the present store at that time.

Local papers are announcing the engagement of A. Miller and Miss Dorothy Frankel, of Chicago. A. Miller is a member of the firm of A. Henderson Co., seedsmen, and is well known to the trade. The young lady is reputed to be one of Chicago's prettiest girls.

Mothers' Day made a good record in Chicago. The optimistic see in it the promise of a day that shall rank with Christmas and Easter in the florists' holidays. It was far ahead of any other Mothers' Day and that with the handicap of a rain storm for hours. The orders from the first called for a large quantity of carnations, but there was little difficulty in securing a change to roses, which were no dearer than carnations.

An event of importance called the wholesalers together this morning (May 16). A strike of the drivers of the express companies throughout the city went into effect at that time, working havoc with the handling of perishable goods and crippling the florists' shipping trade. The vacant store in the Le Moyne block was soon filled with an anxious group, from which a committee was appointed to see what could be done. Fred Lautenschlager, who brought about the settlement in a similar case a few years ago, and Mr. Kroeschell, were delegated to wait upon the express company and report to the committee. As generally understood, the question is not one of wages, but of recognition of the union as such.

### PITTSBURGH.

George Marshall, of the McCallum Company, has been confined at home with illness this week.

Mr. and Mrs. T. P. Langhans with their son and daughter are taking an eastern automobile trip.

The Victoria Flower Shop owned by A. Krongold is now located opposite the William Penn Hotel.

Accompanied by their family Mr. and Mrs. Ernest C. Ludwig left on last Tuesday morning to spend the summer at their farm. DeForrest W. Ludwig has returned from North Carolina much improved in health.

Mrs. William Thaw, whose summer home is at Cresson in the Allegheny Mountains, has offered five prizes of \$10 each and five prizes of \$5 each for the best kept lawns and yards in Cresson during the season.

The local Daughters of the Confederacy co-operated with the Civic Club's Vacant Lot Committee by arranging to furnish flowers to be distributed in the city hospitals. Their only stipulation is that preference be given to southern flowers.

The Audobon Society, of Western Penna., has purchased trees to supply the members and others desiring to provide natural food for birds. Recently State Game Commissioner John M. Phillips, who was active in its formation personally purchased 500 mulberry trees, which he presented to 2,000 Boy Scouts for distribution throughout Allegheny County.

Experiments are being conducted by the Fayette County Farm Bureau on the farm of Charles M. Steele in land fertilizing with a view of perfecting the cultivation of blue grass. Previous to the advent of coke works in that section the soil was admirably adapted to blue grass, but the sulphur smoke has practically killed the product. The next project of this bureau will be corn variety tests.

Since the Easter flower shows attention has been directed to the magnificent display in the conservatories and on the grounds of Richard Beatty Mellon. Prominent among the attractions is the formal Italian Garden, which, under the supervision of Ernest Guter, is a vision of loveliness. This was recently carried out with hyacinths, tulips and scillas. Mr. Guter has recently lowered and remodeled the vegetable garden and is about to begin remodeling the rock garden. Another splendid private tulip collection was seen on the Charles D. Armstrong grounds on Lexington avenue. Thomas Edward Tyler, head gardener, had about 60,000 bulbs, making a gorgeous display. In the greenhouse were seen about 500 orchid seedlings.

### NEW YORK.

George W. Crawbuck, late manager of the Greater New York Florists' Association, has leased half of C. C. Trepel's wholesale store at 57 W. 28th street, and will go into business on his own account.

Walter R. Siebrecht, wholesale flor-



# WEED KILLER

THE VERY NEWEST AND QUICKEST METHOD OF DESTROYING WEEDS, GRASS AND OTHER GROWTH IN GARDEN WALKS, GUTTERS, TENNIS COURTS, DRIVEWAYS, ETC.

This fluid absolutely destroys all weeds and other growth wherever applied, and its effect on the ground prevents the growth of fresh ones for a year and thus saves a great deal of time and labor, as no cutting, hoeing or hauling away of the weeds is required.

We manufacture the strongest line of DISINFECTANTS on the market.

P.-L. CHEMICAL CO., 507-509 W. 19th St., New York

CORRESPONDENCE SOLICITED.

## BOSTON MAY FLOWER SHOW.



Exhibit of Floral Baskets by Penn The Florist.

ist, has been confined at home for the past two weeks suffering from a severe attack of rheumatism.

### PHILADELPHIA.

Mrs. Albert M. Herr and Mrs. Brown of Lancaster, Pa., visited our annual society event, the "Flower Market" in Rittenhouse Square on the 17th. They were after pointers. Lancaster means to go Philadelphia one better.

There will be a flower show at Lansdowne Saturday, June 3rd, in Century Hall, opening at 2 P. M. Samuel S. Pennock, president of the American Rose Society, lives in Lansdowne and will do his share as an exhibitor. He has a very complete rose garden, full of rare varieties from all over the world, and is always glad to show his neighbors anything in season. He wants all readers of HORTICULTURE to come out to the exhibition and enjoy themselves and help to spread the enthusiasm.

### FLOWERS ARE LOVED FOR THEIR OWN SAKES.

Every month in the year they rise up amongst us in a new dress, calling forth admiration, love and praise. They are the pride of the rich and the joy of the poor.

Some of the old flowers, such as the Marigold and Sweet Williams, are like the old-fashioned old gentleman, and the Red Clovers and Buttercups, of which there are ten times more than we need, are like the roguish little children, of which we never have enough to play among them.

The Poppies and Morning Glories are the debutantes in the glow of young womanhood. How your mother loved those Roses and Sweet Peas and Honeysuckle! Don't you remember?

The rich have paintings and books and rare gems.

The poor have few things and little to get them with. If there were no flowers they would be largely shut off from the

exquisite pleasure of graceful shapes, colors and perfumes.

They are messages of affection. They constitute tokens of remembrances and brotherhood and sisterhood of the human race.

### LET US HELP THOSE GOOD WOMEN.

Wednesday, May 17th, in their noble work for the sick children of the city through their

### ANNUAL FLOWER MARKET IN RITTENHOUSE SQUARE.

Every penny spent for flowers goes directly in caring for sick children, according to the declaration of its managers.

(Signed) JOHN WANAMAKER.

John says things better than them all even if its only in an ad. He chose to achieve fame as a great merchant. He could have done the same thing had he started out to be a great author.

### VISITORS' REGISTER.

St. Louis, Mo.—J. J. Karins, repr. H. A. Dreer, Philadelphia.

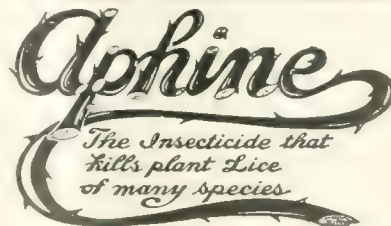
Cincinnati—Paul Berkowitz, of H. Bayersdorfer & Co., Philadelphia.

Boston—Theodore Outerbridge, Sunnylands, Bermuda; W. A. Manda, South Orange, N. J.

Philadelphia—Stephen Mortensen, Southampton, Pa.; W. C. Langbridge, Cambridge, N. Y.; Mrs. Albert M. Herr and Mrs. Brown, Lancaster, Pa.

New York—Theodore Outerbridge, Sunnylands, Bermuda; Douglas A. Brown, Cincinnati, O.; W. C. Langbridge, Cambridge, N. Y.; Henry M. Robinson, Boston.

Chicago: A. J. Riggs, De Kalb, Ill.; Alois Frey, Crown Point, Ind.; Oswald



The Recognized Standard Insecticide. A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$4.50.

### NIKOTIANA

A 12% nicotine solution properly diluted for fumigating or vaporizing.

Quart, \$1.50; Gallon, \$4.50.

Until further notice shipments on our products FUNGINE, VERMINE and SCALINE will be subject to conditions of the chemical market.

Prompt shipments can be guaranteed on APHINE and NIKOTIANA.

**Aphine Manufacturing Co.**  
MADISON, N. J.



## IMP. SOAP SPRAY

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

LOOK FOR THE IVY LEAF TRADE MARK.

Ask your dealer or write

**EASTERN CHEMICAL CO., BOSTON**



### NIKOTEEN

For Spraying

**APHIS PUNK**

For Fumigating

Ask Your Dealer For It.

**NICOTINE MFG. CO.**  
ST. LOUIS

John, with W. A. Manda, Inc., S. Orange, N. J.; Otto Ackerman, Columbus, Ohio; Alfred Forder, Cincinnati, Ohio; J. A. Valentine, Denver, Colo.; E. D. Erickson, Glen Ellyn, Ill.

Washington, D. C.: W. F. Kasting, Buffalo, N. Y.; August Bindeman, Elyria, Ohio; D. T. Connor, repr. Lord & Burnham Co., Phila.; A. B. Morris, Jr., repr. Lazalear & Co., Phila.; representatives of M. Koster Sons and J. Dykhuis, Boskoop, Holland; Theo. Outerbridge, Bermuda; T. P. Langhans, Pittsburgh, Pa.

Est. 1765

Pot Makers for a  
Century and a Half**HEWS****STRONG  
RED  
POROUS****POTS**

Inc. 1904

World's Largest  
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.  
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue  
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:  
CAMBRIDGE, MASS.  
NEW YORK, N. Y.**KING CONSTRUCTION COMPANY, North Tonawanda, N. Y.****GREENHOUSES****We Claim Maximum Strength and Minimum Shadow. Investigate****Flower Market Reports**

ties and colors until there was a complete exhaustion of the stock in trade. Of carnations the demand far exceeded the supply, other flowers, in turn, falling in line, according to popularity. Carnations, which sold from 25 to 35 cents apiece, are now retailing at 50 cents a dozen. Other flowers remained about the same. At time of writing, there is some scarcity of all varieties with the exception of roses, including American Beauties, and sweet peas.

There was and is plenty of stock of good quality at the wholesale market. On "Mothers' Day," May 13, carnations cleaned up well at 100 prices. White carnations, for 5 to 8 cents. In other stocks the market had a great supply, with very low prices. Lilies and callas drag and can be bought as low as \$3 per 100. Sweet peas are hard to dispose of at any price. Outdoor lily of the valley, peonies, daisies, snapdragon, cape Jasmine and miniature gladioli are all quoted very low. All greens are selling well, especially asparagus.

The Mother's Day business in this market was very good and white roses as well as white carnations sold well. As in former years, the stock of carnations soon became exhausted. The price was \$8 per hundred and the quality of the flowers was very good. Peonies are in and sell well because of their recent arrival. Violets are off the market. Sweet peas are not in the heavy supply noticeable last week. American Beauty roses are still very plentiful and low in price. Gardenias are in heavy supply and are being sold on the streets in profusion. Orchids continue scarce, with very high prices prevailing. Dogwood is to be had in huge quantities, and snowballs and fruit blossoms are offered in the market places. Greens are quite short in supply. Scarcity of lily of the valley is again reported, although outdoor stock is helping.

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Fremont, Neb.—Green's Greenhouses, addition 32 x 80.

Bexley, O.—S. S. Myers, three Moninger houses, each 30 x 125.

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Cicero, Ill.—J. J. Kolar &amp; Son, Dietsch conservatory 25 x 40.

Kansas City, Mo.—Stockdale Greenhouses, 2804 North 18th street.

Wheeling, W. Va.—Cameron Greenhouse Co., East End, additions.

Lenox, Mass. F. Augustus Schermerhorn, Pine Croft, three houses.

New York, N. Y. Benjamin Blaine, 2074 Arthur avenue, house 16 x 97.

West Newton, Mass.—Henry D. Woods, Highland street, one house.

Memphis, Tenn.—Johnson &amp; Co., two houses, each 35 x 125; four houses, each 20 x 75.

Aberdeen, S. D.—Benjamin F. Siebrecht, three houses, each 22 x 150; one house 20 x 150.

Hartford, Ct.—Robert Marchant &amp; Sons, 13 Huntington avenue, two Lord &amp; Burnham houses.

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Memphis, Tenn.—Holly & Malone, florists, S. Dudley street, voluntary petition in bankruptcy; assets, \$1,302; liabilities, \$3,328.45.

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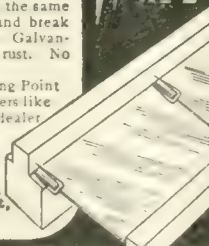
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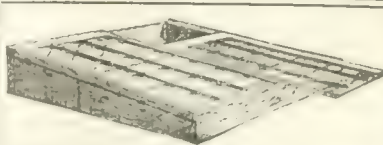
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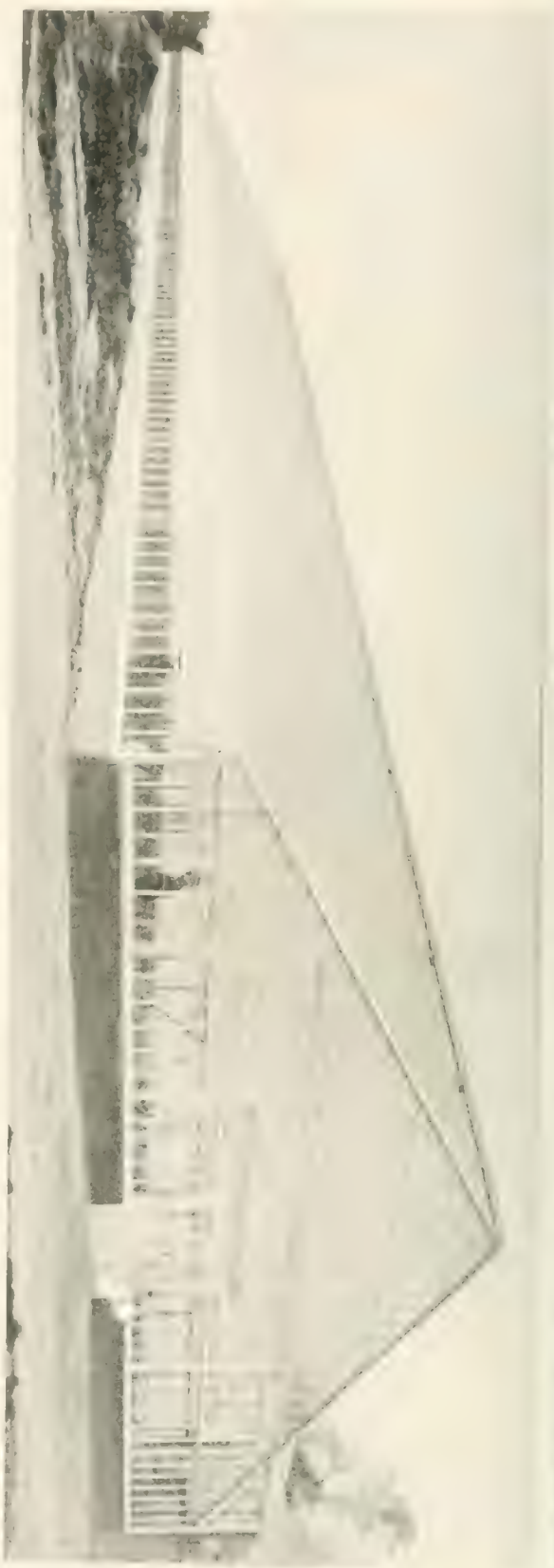


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Iron frame of reconstructed construction 68 x 200 erected last fall for Wm. Ash & Son at South Vineland, N. J.

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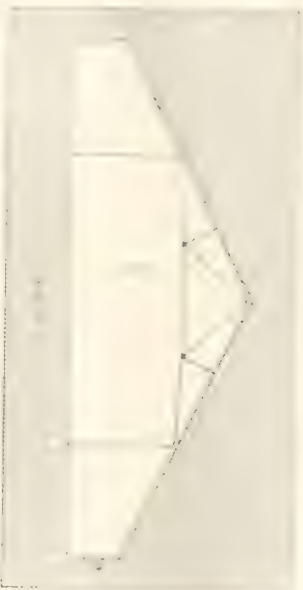
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Vol. XXIII  
No. 22  
MAY 27  
1916

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## HYDRANGEAS FOR SUMMER-BLOOMING

We have an unusually fine stock of these plants, which have been kept dormant during the winter and are now starting into growth. They will begin to bloom in July and will remain in flower during August. These plants are in great demand for summer resorts for lawn and park decoration. We offer the following varieties in 1 1/2-in. pots: Otaka and the new French varieties, Avalanche, Fraicheur, E. G. Hill, La Lorraine, Mme. Maurice Hannar, Mme. E. Monillere, Mile. Renard Gaillard, and Radiance—\$2.00 to \$3.00 each.

Also Otaka, very large fine symmetrical specimens in half-barrels, unusually heavily budded, \$10.00 to \$15.00 each.

**F. R. PIERSON CO.**  
Tarrytown, New York

# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toll, we ought to blame the culture, not the soil."—Pope.

## Care of Begonias

For strong plants in 4 or 5-inch pots there is no better place than a mild hotbed that has 4 or 5 inches of ashes or soil over the manure. In this plunge the pots up to their rims, and they will make good headway and can be hardened off without any check. They should stay here until the first half of June because about the end of May we are liable to get a few nights at such a low temperature that will make them look sick for weeks. Bedding begonias such as Vernon or Erfordii that are pot bound should be given a shift, using a rich porous soil. This will prevent them from becoming stunted before planting time. Begonias of the tuberous rooted sorts intended for bedding out should be given plenty of room between them to spread out.

## Dracaena indivisa

This stock needs a house a little closer and warmer than an ordinary house. They should never go lower than 60 degrees during the night. Plants that are over a year old can be planted outside in June where they will grow and make fine plants by September which can be potted and grown on for next spring's sales. Plants that were raised from seed sown soon after the New Year should be ready now to go into 3-inch pots. Keep them inside and give them a compost of turfy loam three parts, well-decayed cow manure one part, with a liberal sprinkling of sharp sand. Drain the pots with crocks and when they have filled the pots with roots they will want copious waterings. It is most essential to give them a good syringing every morning during the summer.

## Increasing Ficus by Mossing

This is a very good month to perform the operation of mossing on these plants. Select about 6 or 8 inches of the leafy tops and cut them about half way through, then split the stem about half an inch upward inserting something to keep the split open, such as a match or piece of gravel. Cover the cut so the whole will be enveloped with sphagnum moss. Put enough sphagnum around so as to form a ball from 2 to 2½ inches in diameter. In about six or eight weeks they will be fit to cut off and pot. Keep the moss always moist by frequent light syringing and see that the plants are kept rather on the dry side at the roots. Place them in the warmest house and at some end where they can have abundant atmospheric moisture all the time. It is a good plan to take

all the lanky and unsalable plants and work them up into salable stock by this mode. When rooted they should be potted and kept growing right along.

## Nerines

When all the foliage assumes a golden hue the pots should be laid on their sides on a sunny bank or high piece of ground where they will not be likely to get much water. When the foliage of nerines begins to turn yellow it shows that they are finishing up their growth. They can be given this treatment until the middle of September when they should be moved into a frame or cool greenhouse. After they have had their rest and begin to make fair growth they will take an abundance of water with overhead syringing. When the flower scapes make their appearance, remove about an inch of the surface from the pots and give a top dressing of rich compost. Give an application of liquid manure once a week. To be successful with nerines you should syringe so as to keep their foliage free from insects and healthy, until leaf-growth is complete. They do well in an ordinary greenhouse that runs from 55 to 60 at night.

## Palms

If there are large palms that need repotting this is an excellent time to do this work, as nearly all the palms and other decorative stock make a heavy growth during the summer and the more they are encouraged the better. If larger pots are not required remove some of the old soil from the roots and replace with a fresh compost of fibrous loam three parts, well-rotted cow manure one part, and about a 5-inch pot of bone meal to a barrow load. Select some of the tougher leaved kinds and stand them outdoors. If rains have washed off considerable of the shading applied to the glass some time ago it will be necessary to use some more whitening on the roof as many palms are quite easily scorched. Air freely, now that the days are so warm, and keep plenty of moisture in the atmosphere. A couple of hoses overhead on clear days should also be given with a carefully directed pressure, which will not only keep them clean but make them grow better.

## Vincas for Next Year

Vinca cuttings rooted during the winter should now be planted outside in the field. Give them a piece of fairly rich ground and keep them cultivated and hoed and they will not be any further trouble until lifted and potted up in the fall.

Next Week: Bouvardias, Young Primulas; Ericas; Feeding Orchids; Hydrangeas for Next Year; Start Cultivation.

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**Horticulture**

Publicity among the kind of readers reached  
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THAT PAYS.

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## Memorial Day

Next Tuesday is Memorial Day. In a thousand cemeteries tombstones will be gar-  
 landed and grassy grounds strewn with  
 flowers in loving remembrance of dear ones  
 gone. This beautiful custom of placing the flowers of  
 spring-time on the graves of fallen heroes and departed  
 friends is something that will never pass away so long  
 as the human race remains. Artificial flowers and other  
 expedients may have a little run here and there, because  
 of the expense or the fleeting character of fresh material,  
 but it will be for a brief period only and the natural

flower will have the right of way. This year we hear  
 something of a scarcity of flowers in some markets to  
 supply the Memorial Day demand. We hope there will  
 be none. An inadequate supply of flowers at such  
 a time will do much to counteract any advance in  
 prices, and to increase the feeling of unity and peace  
 of resentment, distrust and aversion for the florist,  
 which far outweighs any apparent advance accruing  
 from the advanced prices made possible by a short sup-  
 ply. So we hope there will be an abundance of good  
 flowers, that normal prices will prevail everywhere and  
 that the great floral holiday of 1916 will pass into his-  
 tory as "the last ever" for ever and every reader of  
 HORTICULTURE.

## The flower show fever

The Flower Show outlook for next  
 spring seems quite promising. Three  
 big exhibitions, to be held in Boston,  
 New York and St. Louis, respectively,  
 are already fixed for March, and there  
 are others as yet in embryo. Under the requirements  
 now essential for the successful conduct of a public ex-  
 hibition, one year in advance is not any too soon to  
 begin work. That this is generally realized is shown  
 in the preparatory steps already taken in the three cities  
 aforesaid. Boston's preliminary schedule of prizes  
 (March 21-25, 1917) is already printed and distributed  
 Cards bearing the legend "St. Louis 1917 Spring Flower  
 Show (March 15-18, 1917)—Be a Booster—Visit us in  
 1917—We Want You"—have been sent out far and  
 wide. As mentioned in our news columns this week,  
 Cleveland which has the exhibition fever ever since last  
 fall's happy event, is in the ring for a September blow-  
 out under the guidance of the same hustlers who man-  
 aged things so well last year. All will find a wide field  
 for the exercise of aggressive executive ability, for the  
 old-style show has no chance whatever, and it is equally  
 certain that even a modern show, however deserving in  
 itself, will lose, out unless energetically exploited ac-  
 cording to modern publicity methods.

## A questionable project

We wonder how much money the S. A.  
 F. will be able to gather in for that  
 present to Miss Jarvis. The S. A. F.  
 has had on its hands for several years  
 the matter of a testimonial of more  
 commendable character and nobler purpose which might  
 well have been completed before plunging into this  
 hasty scheme, the propriety and decency of which, from  
 the Society's standpoint is seriously questioned by many  
 of its members. We have received a number of letters  
 approving of our views on this "Mothers' Day" subject  
 as expressed editorially in a recent issue of HORTICUL-  
 TURE. One of these communications is from the Presi-  
 dent of the American Carnation Society, which we take  
 the liberty of quoting from, as follows: -

My Dear Mr. Stewart:

I do want to congratulate you on the timely editorials  
 in reference to the Mothers' Day fund, especially the one  
 in the issue of HORTICULTURE under date of May 13th.

I fully agree with you that speaking from strictly a  
 commercial standpoint it's a mistake to promote any  
 special days for the use of flowers, and furthermore I con-  
 sider it very inappropriate for any line of business to  
 ever try to commercialize that which we should revere.

I sometimes think it's no wonder old Europe often  
 looks upon us Americans as being money mad. I regret  
 very much that as an official of the American Carnation  
 Society I must send out an appeal for this fund, but this  
 was agreed upon by the Executive Board at Philadelphia  
 in my absence and officially we must sometimes do that  
 which we would not do individually.

Very truly yours,

J. F. AMMANN.

## THE IRIS IN CALIFORNIA.

Having spent the winter in California, of course I was on the watch for the most successful all-around flowers.

There are frosts in winter even in that Land of the Sun. The Exposition continues another year in San Diego, and it may be perpetual, as they have very fine buildings and their grounds are a dream of beauty. We stopped at the Knickerbocker Hotel which is in the center of the car system. It is a homelike place and the proprietor went with us, pointed out the car we needed for any part of the city. I was looking for a flower which would be in bloom all the year. I found beautiful iris in flower on the ground in December.

After I went to the justly famous Iris Gardens of Moneta, California, I found that there were iris blooms every day in the year. Remember the iris is one of the largest flower families. There are over 170 distinct varieties besides the rare new crosses. Mrs. Dean, the proprietor, is about the best informed person in America on this flower. She has Dykes' colossal work which cost \$35.00, also every book she could hear of on this flower. Some of the newer sorts are superb and defy description. *Macrantha* or *Amas* from Asia Minor has immense radiant petals broad as a lady's hand. *Monsignor* is a new one from France with a wonderful blend of violet and purple. *Dorothea* is a beauty of the dwarf variety of a lovely smiling and open face. *Mesopotamia* is a glorious Amazon, a queen among the rest, four feet tall and a splendor. *Sheffield Giant* is a wonder. Mrs. Dean assisted in the last edition of the *Iris Manual*, spending much time in classifying and describing the various kinds. The iris is the best drouth resistant we have, marvelously adapted to all the semi-arid regions.

York, Neb.

C. S. HARRISON.

## IN LILAC TIME.

Go down to Kew in lilac time, in lilac time,  
in lilac time;  
Go down to Kew in lilac time (it isn't far  
from London!)  
And you shall wander hand in hand with  
love in summer's wonderland;  
Go down to Kew in lilac time (it isn't far  
from London!)

The cherry trees are seas of bloom and soft  
perfume and sweet perfume,  
The cherry trees are seas of bloom (and oh,  
so near to London!)  
And there they say, when dawn is high and  
all the world's a blaze of sky,  
The cuckoo, though he's very shy, will sing  
a song for London.

The nightingale is rather rare and yet they  
say you'll hear him there  
At Kew, at Kew in lilac-time (and oh, so  
near to London!)  
The linnet and the thrush, too, and after  
dark the long halloo  
And golden-eyed "twit" in whom "owls"  
that ogle London.

Nor Noah hardly knew a bird of any kind  
that isn't heard  
At Kew, at Kew in lilac-time (and oh, so  
near to London!)  
And when the rose begins to pout and all  
the chestnuts' spikes are out  
You'll hear the rest without a doubt, all  
chorusing for London:—

Come down to Kew in lilac-time, in lilac-  
time, in lilac-time;  
Come down to Kew in lilac-time (it isn't  
far from London!)  
And you shall wander hand in hand with  
love in summer's wonderland;  
Come down to Kew in lilac-time (it isn't far  
from London!)

—From *Alfred Noyes' poem "The  
Barrel Organ."*

## ROSE LOS ANGELES.



NEW ROSE "LOS ANGELES."

This new rose, said to have been raised by Fred. Howard, of Los Angeles, Cal., recently received its formal "christening" in the Chamber of the Los Angeles City Council, under the name of "Los Angeles." It is described as a sturdy bloom, five inches in diameter, of luminous coral pink shaded at the base of the petal with translucent gold, its fragrance equal in intensity to the odor of the finest *Marechal Niel*. Buds are long and pointed, expanding into a flower of mammoth proportions, with an ever increasing intensity of color as the

blooms mature, wonderful lasting qualities, petals thick in texture and the whole flower substantial to a high degree. One of the best growers in the entire family of roses, producing an endless succession of flowers from early spring to late autumn, etc., etc. It is also claimed for the new rose that it is absolutely mildew proof. Having all these superlative qualities, Los Angeles should have a triumphant entry into the ever-increasing retinue of the Queen of Flowers. We hope the claims so confidently put forth may be established. "Time will tell."

## FALL FLOWER SHOW AT CLEVELAND.

There is to be a big show held in Cleveland, Sept. 2nd to 9th, under the name of The Industrial Exposition and Fair. One feature will be a Flower Show. The co-operation of the Cleveland Florist Club, The Ohio Horticultural Society, The Cleveland Garden Club, Shaker Heights Garden Club, and Lakewood Garden Club, has been invited. Committees representing these societies will meet in the very near future and arrange the details of their premium list. H. P. Knoble, of Knoble Bros., florists, is a director and a member of the executive committee of this coming event. M. A. Vinson, manager of the successful Cleveland Flower Show last November, will have active charge and general direction of the entire show. Copies of the premium may be secured by addressing Mr. Vinson, at 2515 Franklin avenue, care The Cleveland Chamber of Industry, Cleveland.

## A GREAT REFORM.

The following letter from a gentleman, who was a shipper to the St. Louis market for over a quarter of a century, in approval of the closing of the wholesale flower stores on Sunday is self-explanatory.

Edwardsville, Ill., May 1, 1916.  
St. Louis Wholesale Florists, St. Louis, Mo.  
Gentlemen: In this progressive age as in all past ages I appreciate the amount of

courage required and the amount of abuse to withstand, to, in only a small measure inaugurate a reform in any line of business.

I too appreciate the lack of compliments coming even from those who fully agree with such reform and now take this opportunity of congratulating you as a body of highminded business men for the courage of your convictions, each one of you, in recognizing Sunday as the one day in seven to refuse to do business.

I fully appreciate the temptations you must resist, and the abuse you surely receive, but I predict you will win out in the end. And I sincerely hope to see the day when all those who are now heaping this abuse on you will thank you for having taken the initiative in this great reform.

Very sincerely yours,

J. F. AMMANN.

## PREPAREDNESS.

Some day the soft ideal that we wooed  
Confronts us fiercely—fœe beset, pursued  
And cries reproachfully "Was it then my  
praise,

Am not myself you loved? Prove now  
thy truth.

I claim of thee the promise of thy youth,  
Give me thy life or cover in empty phrase  
The victim of thy genius, not its mate!"

Life may be given in many ways  
And loyalty to Truth be sealed  
As bravely in the closet as the field  
So beautiful is Fate.

But then to stand beside her  
When craven churls deride her,

To front the armies and not fly  
This shows, methinks, God's plan

And measure of a stalwart man,  
Limbed like the old heroic breeds

Who stand self-poised on unshakable  
solid earth.

Not turned to frame excuses for his  
earth.

Fed from within with all the strength he  
needs.

—James Russell Lowell.



## AMERICAN ASSOCIATION OF NURSERMEN.

### Milwaukee Convention.

A spirit of true co-operation appears to have laid hold of the members of the American Association of Nurserymen, and the forty-first convention to be held in Milwaukee, June 28th, 29th and 30th, will average in attendance any former gathering of the representatives of the nursery trade. With the adoption of the new constitution at Detroit, last year, a general revival of determination to place the organization on a higher plane than it has ever before attained was manifest.

At the coming convention a report by Curtis Nye Smith, Boston, Mass., who was appointed counsel of the Association, will consist of a review of his work for the past year and of recommendations for the future; and the various papers to be read will all breathe the same spirit of effort to raise the moral and commercial ethics of the organization. The intention is to make a membership in the American Association a guarantee of all that is honest in the carrying out of contracts, the stock handled, and in general business conduct. The dealer who follows the "gold brick" methods and whose representations either to customers among the public or with his brethren in the trade, is to reform or suffer elimination from the Association.

The quality of the program for the Milwaukee meeting, in variety of topics and discussion, surpasses anything ever before presented to the nurserymen, and the sessions will be full of life and profit. The receipts for membership dues are more than double those of any previous year, and the correspondence accompanying renewals indicates satisfaction with the new constitution.

Members of record in 1915 may renew without coming under the new rule, and if this notice should be read by such as have not yet renewed they may feel at liberty to send in application so as to reach the secretary not later than June 3 and be included in the Badge Book.

The address of the secretary is John Hall, 204 Granite Building, Rochester, N. Y.

### LANCASTER COUNTY FLORISTS' CLUB.

At the last meeting the date for the Flower Show was fixed for the 9th, 10th and 11th of November. A picnic committee was appointed consisting of Elmer Weaver, A. F. Strickler and Rudolph Nagle and it will report in full at the June meeting. The programme committee through its chairman, Harry K. Rohrer reported the possibility of the June meeting being a Peony Symposium with B. F. Barr as the essayist. Rudolph Nagle exhibited a fine specimen of Pelargonium Easter Greeting.

The paper of the evening was by A. M. Herr, entitled "Looking Backward and Forward in the Florists' Business." In the discussion the matter of prices was pretty thoroughly threshed out. As a counteraction to the planting of hardy material in small city yards, crowding out the annual plant trade and reducing the revenue of every florist in the United

States, it was suggested by the writer that several florists make an exhibit of yard effects in our public parks as educators of what a yard should look like. If this were carried out all over this U. S. it would mean millions of dollars to the florists of the country. W. M. Hahman, a rose enthusiast, suggested that a rose garden be a feature of one of the parks to create a love for roses and educate the people as to what to buy.

The after-meeting talk would fill a volume and if the paper did no other good it made some discussion.

ALBERT M. HERR.

### WOMEN'S FARM AND GARDEN ASSOCIATION.

Women garden enthusiasts by the hundred came to Boston last week from all parts of the United States and had a Convention and incidentally a grand good time. They came as the Women's National Agricultural and Horticultural Association and they went as the Women's Farm and Garden Association, which is more concise.

Mrs. Francis King of Alma, Mich., who is president, presided at the meetings in Horticultural Hall. Governor McCall opened the convention on Thursday morning, May 18, with a short address and words of welcome were added by Stanley Wilcox, secretary to Mayor Curley, and President R. M. Saltonstall, of the Massachusetts Horticultural Society. The program included talks by Mrs. Edith L. Fullerton of Medford, L. I., N. Y., Miss Mabel A. Turner of Milton, Mass., Miss Mary Youngs, Garden City, N. Y., Miss Annie E. Burke of Brockton, Mass., E. H. Wilson of the Arnold Arboretum, Geo. T. Powell of N. Y. Experiment Station, R. W. Curtis of Cornell University, Jane B. Patton of Simmons College, Jane B. Haines of Penn. School of Horticulture for Women, Amy L. Cogswell of Lowthorpe School of Landscape Architecture, Florence I. Davis of Bridge-water State Normal School, Miss Helen Holmes of Kingston, Miss Edna Cutter and A. A. Shurtleff of Boston, Miss Alice L. Day of New Canaan, Conn., Mrs. A. H. Gross of Chicago, and others. Mrs. George U. Crocker, chairman of the national committee, Mrs. B. Hammond Tracy and Mrs. W. W. Edgar, together with a score of other ladies from the vicinity of Boston looked after the program and preparatory work previous to the convention and during its continuance in the most efficient manner. E. H. Wilson's talk on the Flowers of Japan, with stereopticon views, drew an attendance that filled Horticultural Hall to the limit.

On Friday the ladies visited the Arnold Arboretum in autos and were entertained at the home of Prof. C. S. Sargent. On Saturday they motored to Ipswich, stopping at places of interest along the North Shore, and while at Ipswich they were the guests of Mrs. Geo. E. Barnard. In connection with the meeting there were many exhibits of flowers, plants, bees, garden work clothing and tools.

Considerable interest centered about the historical table. Here were seen specimens of plants and flowers from the historic spots of Massachusetts. Mrs. William L. Eaton, of Concord,

showed the curious irises from Hawthorne's Old Manse, hollyhocks from Longfellow's garden, rare June roses from Ralph Waldo Emerson's home, lilacs from Shady Hill, the home of Charles Eliot Norton in Cambridge; English ivies from Mt. Vernon, and Grey's ivy from Stoke Pogis.

These officers were elected: Mrs. Francis B. King, president; Mrs. Hilda Loines, general secretary; Miss Louisa G. Davis, treasurer; Miss Jean Cross, recording secretary, and the following vice-presidents: Miss Mira L. Dock, Mrs. H. B. Fullerton, Miss Jane B. Haines, Miss Elizabeth Leighton Lee, Mrs. J. Willis Martin and Mrs. Schuyler van Rensselaer.

### INTERNATIONAL GARDEN CLUB.

Summer Flower Show, New York, June 1st to 4th.

Preparations are now completed for the first annual Summer Flower Show of the International Garden Club, to be held on their grounds, Pelham Manor, Pelham Bay Park, New York City. Two large tents and smaller tents will be erected on the grounds. A sunken garden effect will be arranged in the tents for the display of the groups of plants, etc. The schedules are now ready with entry blanks and same can be had from the secretary-manager of the show, Arthur Herrington, Madison, N. J. The grounds can easily be reached by automobile, which is on the main Boston Road from New York. It is also on the Harlem division of the N. Y., N. H. R. R., and freight and express can be sent to City Island Station, which is nearest the grounds. People coming from the east can change at New Rochelle or can take the 3rd Ave. Elevated trains to 129th St., where they can get the train to City Island Station.

A generous prize list of nearly \$5,000.00 is being offered about equally between the trade and private estates and additional premiums will be given to meritorious exhibits.

Governor Whitman opened the grounds last year for the Club and it is expected that Mayor Mitchell will be on hand to open the Flower Show.

For further information write to Arthur Herrington, Madison, N. J.

### CLUB AND SOCIETY NOTES.

The Southold, L. I., N. Y., Garden Club held a successful flower show in Grange Hall, Southold, on May 13.

The first annual flower show of the New Century Club, of Chester, Pa., will be held early in June in Library Hall, Chester.

The Village Improvement Association, of Moorestown, N. J., will hold its tenth annual flower show in June, date to be announced later.

The St. Louis Retail Florists' Association held a splendidly attended meeting May 15 at the Mission Inn Garden. They will continue summer meetings at the garden, but out of doors.

The National Association of Gardeners and American Association of Park Superintendents have been invited to hold a "field day" at the Cromwell Gardens of A. N. Pierson, Inc., Cromwell, Conn., on June 21.

# The Development of the Modern Winter Flowering Sweet Pea

An Address by Howard M. Earl before the Florists' Club of Philadelphia, on March 7.

TO DEVELOP the modern winter flowering sweet pea we must go back to the origin of that fine old variety, *Blanche Ferry*, for undoubtedly the American winter flowering sweet pea can be traced back to that variety, or the early flowering mutations which have since arisen from it. The history of *Blanche Ferry* is very interesting and, strange to say, the name of its originator is not known. Over fifty years ago a quarryman's wife in Jefferson County, New York, procured some seeds from a bright flowered plant of that very old, in fact, one of the original varieties, *Painted Lady* (introduced in 1700), and for many years after she sowed and selected the best plants from her original selection, thus carefully and painstakingly improving her stock of what was in later years to be known as *Blanche Ferry*.

W. W. Tracy, who was then connected with the firm of D. M. Ferry & Co., of Detroit, in passing that way saw the plants and was immediately impressed with their distinct character and obtained a small stock, only, we believe, about one hundred seeds. The variety was named by the firm *Blanche Ferry* and was introduced by them in 1889. In 1895 Messrs. Ferry introduced an earlier flowering type of the same variety, calling it *Extra Early Blanche Ferry*; then, in 1898 W. Atlee Burpee & Co. introduced *Earliest of All*, this being a still earlier type and this variety is what is known on the market and grown so extensively as *Christmas Pink*. There is a much earlier flowering variety, but the growth is smaller and it is questionable if under glass the flowers attain quite the size of its later blooming counterpart. Undoubtedly, all our winter flowering sweet peas have the *Blanche Ferry* blood in them. Although the crosses later may not have been made on that variety, still, the originals of the type all emanated from it.

The *Telemly* sweet pea, which originated with the Rev. Edwin Arkwright at *Telemly*, Algeria, also sprung from *Blanche Ferry*. Mr. Arkwright explains that a sport from *Blanche Ferry* showed itself in his garden, blooming in February, when he promptly marked it and the seed saved showed flowers the following January. From this time on he got various sports from this and also crossed them with some of the best of the summer flowering sorts. He explains that he sows all his peas about the end of September, and while the summer flowering varieties

do not bloom until May, these early varieties come into bloom from January. As soon as *Countess Spencer* was introduced in 1904 Mr. Arkwright procured it and has been crossing his original type with the new waved, or *Spencer* varieties, and I believe he has now a number of *Spencer* early flowering varieties quite fixed to color.

Mention should also be made of the early flowering type known as *Englemann's*. About 1903 some plants of the flowering type sported with him producing plants of winter flowering habit. These he grew for some years under glass in England, but on account of the dull weather usually experienced there throughout the winter, he has ceased to grow this type.

The first introduced of *Zvolanek's* varieties of winter flowering *Spencers* are, we believe, the direct results of crossing the winter flowering *Grandifloras* with the summer flowering *Spencer* type, but there have also been introduced several varieties of true *Spencer* form, but winter flowering type, which we understand came as direct sports from the summer flowering varieties, namely, *Yarrowa*, *Rose Queen* and *Anita Wehrman*.

The origin of *Yarrowa*, is very interesting. Arthur Yates, of Sydney, explains that for many years sweet peas were looked upon as one of the most difficult plants to grow successfully in the warmer sections of Australia. The regular summer flowering types bloomed in the late spring when they were liable to sudden bursts of hot weather and heavy winds which often shortened their flowering season to a few weeks. Occasionally they failed to bloom at all. However, the introduction of such varieties as *Earliest of All*, *Mont Blanc* and later the *Telemly* and newer American *Grandiflora* varieties quite revolutionized sweet pea culture in Australia, as these early varieties flowered in the winter and early spring, giving them a supply of flowers for several months when practically no other flowers were available.

This was a great advance and sweet peas soon became one of their most popular flowers. But the quality of the winter flowering varieties was so much below the standard of the modern *Spencers* that the Australian growers were not satisfied and efforts have been made with considerable success by a few enthusiasts to raise by selection and cross-fertilizing a superior type of the winter flowering varieties of the *Grandiflora* section.

However, a decided advance was in view, as in 1908 there appeared in the garden of a Mr. John Young, of Sydney, in a patch of new summer flowering *Spencers*, one plant of true *Spencer* type, but quite distinct from all others. It was different in its vigorous habit and upright growth, earliness and color, and was in full bloom when the others were only a few inches high and had gone to seed before the normal type had commenced to show flower buds. The seeds from this plant were carefully

saved and sown the following autumn, when it came quite true to the parent and instead of remaining more or less dormant all winter as the original *Spencers* do it commenced to bloom in the late autumn and continued to flower right through the winter, going to seed in the early spring, as *Telemly* and American winter flowering varieties do in Sydney.

This early *Spencer* is quite distinct in habit from any of the previous early flowering varieties. It is an extremely vigorous grower and with good cultivation will in the vicinity of Sydney top a ten-foot trellis, while the *Telemly* and American older varieties grown alongside only attain half the height. The Australians have been working on *Yarrowa* as the seed bearing parent of many crosses using the best of the summer flowering *Spencers* and we believe they have now quite a family of *Yarrowas* in the best colors, but, so far as we can judge by reports they are as yet far from being properly fixed, though doubtless in a year or two this will be remedied and as we consider *Yarrowa* the earliest doer of all winter flowering sweet peas, if these Australian children of *Yarrowa* embody the characteristics of the parent, they will be well worth having.

My experiences and observations have been that in all lines of plant breeding the experimenter has to admit many times that nature's own crossing produces a type that is far easier fixed than when one sets about to try and obtain a given color, or type—and to no other flower does this apply more than to sweet peas.

Florists were quick to recognize the superior qualities of the *Spencer* sweet pea which Burpee first offered in America in 1904 under the name of *Countess Spencer* and with the distinct new type came an earnest desire on the part of those interested to produce, if possible, a strain of the proper growth and flowering characteristics for forcing under glass.

The first to endeavor to place a type of winter flowering *Spencer* on the market was Anten *Zvolanek*, of Bound Brook, N. J., and later of Lompoc, California, but Mr. *Zvolanek's* experience, judging from trials I have made, must have been very similar to those which Morse, Burpee and other growers had had when trying to fix crosses, or sports, of the original or *Grandiflora* types.

As a summer cut flower the *Spencer* so quickly superseded the *Grandiflora* type that it was only natural for florists to be most eager for a winter flowering strain producing the same beautifully waved flowers that today appeal to all flower lovers during practically the entire twelve months of the year. To me it seems that this extreme eagerness was solely responsible for some selections being placed on the market in an unfixed condition. Such a demand had been created for the seed of the *Spencer* type for forcing that many growers were satisfied to pay what might be called

## BOSTON MAY FLOWER SHOW.



First Prize Rose Exhibit by F. R. Pierson Co., Tarrytown, N. Y.

fabulous prices for seed which did not represent a fixed type, realizing that the high prices obtained for the waved flowers would permit a severe roguing in the bed or bench, or a careful assorting of blooms after they were cut.

The field of sale for seed of forcing sweet peas is very limited, and while watching the work of George W. Kerr at Fordhook I always had in mind the fact that it was better to "make haste slowly." One of the strains of the modern winter flowering sweet pea which I have had the pleasure of watching develop represents practically six years of hard and patient work on the part of Mr. Kerr, and after repeated trials we were forced to concede that it was better and more sure to start at the bottom and work up slowly in his way.

As in all other lines of horticultural work, the seedsman is forever on the lookout for something better and those firms who maintain extensive experimental grounds always have a great number of selections coming on, the majority of which the public will never hear of. This applies to sweet peas as well as to other blooming plants.

The following questions, put by a commercial grower, were answered by Mr. Earl at the conclusion of his address.

1. What is the best treatment of winter-flowering Spencer sweet peas, planted in a carnation bench, to produce seed?

As sweet peas grown under glass will not set seed until towards the end of April, nothing would be gained by starting the seed very early in the fall. Therefore, as there would be no advantage in allowing the flowers to re-

main on the vines, meanwhile would advise cutting them regularly until towards the middle of April.

2. And how soon ought they to set seed?

If the plants referred to have been flowering now for some time, they should be given regular applications of liquid manure and perhaps a top dressing of thoroughly rotted manure, the desire being to keep them growing strongly until the period when they would be likely to produce the most seed.

3. There are a few vines I particularly want to get all the seed of that is possible.

As the days get longer and the sun, naturally, much stronger, the vines are likely to be attacked by the green fly, and, unless this is seen to in time, the plants might be so badly crippled as to preclude any chance of seed setting. It is, therefore, well to fumigate the house at intervals of ten days or so as "Prevention is better than cure."

#### HORTICULTURAL SOCIETY OF WESTERN PENNSYLVANIA.

The meeting of this Society held in the Annex Hotel, Pittsburgh, was an interesting event. Among the speakers were W. E. Marshall of New York City, Mr. McCullom of the U-Bar Company, Michael Curren, gardener for Mrs. W. M. Horne, Sewickley Heights, and Wm. Murphy, supt. for Henry Lee Mason, Sewickley Heights. Walter James of the W. Henry R. Hilliard place, received a cultural certificate for *Spiraea Gladstone* and Michael Curren got a certificate of merit for hybrid *calceolarias*. A certificate of merit was also given to Wm. Murphy for seedling *anthuriums*.

#### MOVEMENTS OF GARDENERS.

Peter G. Brough has taken charge of the "Wenga Estate," Armonk, N. Y.

David Ridpath has been appointed head gardener for J. W. Johnson, New Brunswick, N. Y.

H. Taylor succeeds D. Hothersall as superintendent on the George Bullock place at Oyster Bay, N. Y.

William Ford has accepted the superintendency of the A. E. Smith estate at Oyster Bay, N. Y.

Harry Jones, formerly of Glen Cove, N. Y., is now gardener for the R. A. Strong estate, Portchester, N. Y.

Andrew P. Clarkson goes from Dedham, Mass., to take charge of the estate of Mrs. A. R. Meyer at Kansas City, Mo.

M. J. Collings, recently of Richmond, Va., has removed to Litchfield, Conn., where he has charge of the B. S. Clark estate.

David Hothersall, recently of Oyster Bay, N. Y., has accepted the position of superintendent of the Du Pont estate, Wilmington, Del.

The new superintendent for Mrs. A. S. Alexander's place in Roslyn, N. Y., is Alexander Robinson, formerly at Catasauqua, Pa.

Andrew Forsyth, gardener in charge of the grounds of John Daub, Pittsburgh, Pa., who has been seriously ill for some time, has returned from Hamilton, Ontario, and Lenox, Mass., much improved in health. During his stay at Lenox he was the guest of Alexander McLeod.

## Obituary

George W. Cardwell.

George W. Cardwell, well known in the horticultural business, died at his home in Detroit, Mich., on May 13, 1916, at the age of 70 years.

Robert Haentze.

Robert Haentze, head of the Haentze Bros. Co., 1001 E. Lake St., died at his home in Detroit, Mich., on May 13, 1916, at the age of 68 years.

Mrs. M. Ullenbruch.

Gertrude M. Ullenbruch, wife of John Ullenbruch, died at her home in Port Huron, Mich., on May 13, 1916, at the age of 70 years.

U. B. Wakeman.

Uriah B. Wakeman died in the Harper Hospital, Detroit, Mich., on May 1, at the age of 70 years. He was the head of the Detroit Cut Flower Supply Co.

John Wright.

We learn from the columns of our British exchanges of the death on Tuesday, May 2, of John Wright, V. M. H., one of the veterans of horticulture and for many years editor of the Journal of Horticulture, succeeding Dr. Hogg. Mr. Wright was eighty years of age.

John Kral.

It is with deep sorrow that we record the death of one of the best-liked men in the wholesale cut flower trade of New York City. John Kral was in the employ of Moore, Hentz & Nash in their salesroom at 55 and 57 West 26th street. Genial, manly and attentive always to business, "Johnnie" Kral made a friend of every one with whom he came in contact. He passed away on Sunday morning, May 21, in Greenwich, Conn., after a few days' illness. His age was 41 years.

Alfred Ross.

Alfred Ross, pioneer seedsman of Wichita, Kas., died on Sunday morning, May 14, at his home on North Market street, aged 67 years. Mr. Ross was known to seed and commission men all over the country, and bore a reputation as a fine business man with the traveling men of all the large eastern and northern wholesale seed firms. He was born at Mill Creek, Va. In the year 1884 he, with his brother, J. M. Ross, went to Wichita and embarked in the seed business under the title of Ross Brothers, and since that time the firm has been a leading factor in the development of the farming and garden industry of that section, and Mr. Ross is said to have accumulated a fortune from his seed and commission houses. He was kindly and philanthropic in a quiet way and will be greatly missed. Of the eight pall bearers at his funeral all, with one exception, were employees of the firm, and two of these had been with the firm more than twenty years.

### CATALOGUES RECEIVED.

August Rolker & Sons, New York—Prices of Holland and American Bulbs and Roses for Fall 1916 Delivery. Wholesale.

Schaum & Van Tol, Boskoop, Holland. McHutchison & Co., American Agents.—Wholesale Trade List of Nursery Stock, Fall 1916-Spring 1917.

### LOOKING BACKWARD AND LOOKING FORWARD.

The motto was the title of a paper read before the Lancaster (Pa.) Florists' Club at its last meeting by A. M. Herr. Mr. Herr reverted first to the time when as a 15-year-old youngster he worked with the firm of A. D. Rohrer & Bro. in the days when geraniums in 5-inch pots sold readily at \$7.50 a dozen. He could see no reason why with proper working up, a market at equal prices could not be attained. He averred that entirely too much second-class stock is grown and sold. He spoke of the possibility of 12-inch pot and tub specimen geraniums for porch decoration and which might be sold at from \$2.50 to \$10.00 each, adding, "never sell one of these specimen geraniums where you as an educated florist know that it will not give satisfactory results and the customer the best of satisfaction. Better to lose twenty sales than to have one dissatisfied customer, who can truly attribute his dissatisfaction to you."

He compared the pansies sold now with those sold formerly at two or three times the price obtainable now, saying that "the florists are the losers, as they always are when they purchase cheap stock. There is no fortune awaiting the man who tackles this problem, but a young man who would undertake the improvement and selection of pansies to-day would, I believe, find the market ripe before many years for pansies of quality at a reasonably fair price."

Speaking of the formal beds of coleuses, alternantheras, petunias, salvias and similar stock once so popular for the city yards he attributed the abandonment of these to "the persistent efforts of our landscape gardeners and 'artistic decorators,' who have trees, shrubbery and hardy stock to sell, but without business instinct enough to know that the ordinary city yard is not their field of endeavor, the sale being as far as they can see. Our retail plant men should exercise their selling powers to counteract this planting of shrubbery and get the people back to the beauty of a real flower bed or two."

"In the matter of hardy stock the advance depends entirely on the men who handle it as to what the future will bring forth. Many city yards are large enough to stand a bit of this planting but the most of them are too small and had better be left religiously alone. I can go to any part of this city and pick out yard after yard where the planting of shrubbery is ridiculous and an offence to any one with an artistic sense. A lecturer here recently told us that a bed of red geraniums was a slap in the face to any one with an artistic sense; some of these hardy plantings are enough to give any one with just a love for the beautiful, artistic paralysis."

"Window boxes and porch decorations are coming to be more of a feature and should be made the special study of every retail florist. When you sell material for boxes and customers want something that will not last the season through educate them to throw it out and replace it once or twice during the summer. This may be a bit hard to do but a little personal work on your part will give results that will make of them a permanent customer."

Mr. Herr called attention to the greatly increased price of coal and labor now and said that "the man who does not seriously set himself to the task of getting a little more money for his stock is not going to run out. The retailer does not feel this quite as keenly as the wholesalers who have been working on a narrow margin of profit right along. Personally, I know that it is not possible for wholesaler to sell stock at last season's price the coming winter and continue in business, unless the quality of the stock is cheapened considerable and in this case the buyer will not get full satisfaction for his money."

"If we want Lancaster County to be looked up to as a safe place to send orders we must not consider how cheap we can grow stock but how near right we can grow it and make the price accordingly. Estimate costs carefully and you will be surprised to find out how little you are making on some lines of stock, then figure an increase on the cost of your next winter's coal and everything else you buy—even a fifty per cent increase on the envelopes you use to send out letters, and see what it means."

"You retail men should go through the same line of cost estimating and for goodness sake stop cutting prices. You do no good to yourself and very little harm to the other fellow, but a lot of harm to the trade in general. In a town like this a uniform price is an impossibility as one man can sell a plant at a profit for a nickel that another man would have to sell at seven or eight cents. Rather than sell at a loss cut out some lines and co-operate with the other fellow. Co-operation means much more than we as a Club seem to realize. Where would Sam Pennock's tug-of-war men have been last summer at our picnic if they had not all pulled together? Let us pull together and upbuild this business of ours."

ALBERT M. HERR.

Washington, May 22.—The Agricultural appropriation bill was reported by the Senate committee today carrying \$23,900,000, a reduction of nearly \$750,000 from the total as passed by the House.

The committee eliminated entirely \$200,000 allowed for free distribution of seeds. If the bill passes as reported there will be a fight in conference, as the House always insists upon its free seeds.

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### American Seed Trade Association.

The American Seed Trade Convention, this year the American Seed Trade Association has been called to convene at the Hotel Sherman, Chicago, Ill., June 29-31, 1916. The program has this year been purposely shortened as matters of vital importance to the Association and the trade will be up for discussion and it was thought wise to allow sufficient time to consider them.

The following are the rates at the Hotel Sherman, which has been selected as headquarters:

Room with bath \$2.00, \$3.00, \$4.00 up to \$5.00.  
 Room for two with bath \$3.00, \$4.00, \$5.00, \$6.00, \$7.00, \$8.00, \$9.00.  
 Single beds in two rooms for two persons \$5.00, \$7.00 and up.

The management urges early reservations to avoid disappointment.

C. E. KENDEL, Sec'y.

### Trade Conditions.

Retailers are generally pleased with the volume of business done, but feel that more or less valuable trade has been lost owing to the lateness of the season, which cannot be regained this year.

Last week there were reports of light frosts in various sections of New York, New Jersey and New England. The principal damage done was to tomatoes and beans where the latter were out of the ground.

The neglect of many dealers to place contracts for their future requirements until very late in the season is oftentimes embarrassing to growers. We are advised that at the present time quite a number have not placed their orders covering their future requirements in peas and beans, as also other seeds. Possibly a month hence they will come forward and should the growers, because of unfavorable crop conditions, or being too fully booked up to accept more business, hesitate to accept these late orders, the tardy ones would be greatly surprised and more or less indignant. Some day conditions will be reversed and the growers will hold the whip hand; if they do not use it on a few of the procrastinators, they will be worthy to wear wings and play harps.

### Seed Trade Convention.

The Convention of The American Seed Trade Association is now about four weeks off. Matters of unusual and vital interest will be up for discussion and every seedsman who wishes the organization to be a forceful vital factor should aim to attend. It is unnecessary to be specific as to the matters that will be considered, excepting to say that the "Disclaimer" will be one, as the question as to whether it should be modified or retained in its original form will be up

for serious consideration. Many conservative growers express the opinion that the "Disclaimer" is a little too drastic, and that its absolute repudiation of all responsibility on the part of the seller is not in accord with the spirit of the day. This absolute repudiation of responsibility has been the cause of much agitation among the ranks of various State Experiment Stations, and certain officials who are always thinking to cater to the farmers' interests, (but primarily for the farmers' vote) looking to the enactment of laws compelling the seedsmen to assume responsibility for the seeds they sell, and it is felt by many that the "Disclaimer" can be softened and toned to some extent without vitiating its legal and protective value.

It has been suggested that eastern seedsmen who propose attending the Convention and who are not in too desperate a hurry, would travel part of the distance by water. They could take train to Buffalo and go by one of three lines to Chicago, either by the Great Northern Steamship Company, the Anchor Line, or the D. & B. Line. The latter would involve two changes—one at Detroit, the other at Mackinac, but as these changes are made at the same dock where the passenger lands, they are easily accomplished. The two first named lines will carry the passengers to destination without change. The time consumed is about thirty-six hours from Buffalo.

### One Week's Imports.

Imports at the Port of New York of horticultural material, for the week ending May 12, were recorded as follows:

Bulbs—France, \$2; Netherlands, \$4,034; England, \$87; Jamaica, \$1; Hongkong, \$30.

Plants—Belgium, \$1,070; France, \$38; Netherlands, \$8,296; England, \$1,109; Scotland, \$144; Bermuda, \$14; Jamaica, \$2; Trinidad, \$90; Japan, \$74; Guatemala, \$300.

Red clover seed—France, \$17,910.

Grass seed—Scotland, \$2,219.

Other seeds—France, \$15,038; Germany, \$512; Italy, \$365; England, \$10,525; Argentine, \$2,389; Chile, \$611; British Indies, \$13,280; Hongkong, \$301; Morocco, \$11,203.

Nitrate of soda—Chile, \$546,887.

Other fertilizers—Argentine, \$10,208.

### New Australian Sweet Peas.

A. T. Boddington Co. has just received the first shipment of all the new varieties of Australian sweet peas. Many of these are regarded as great improvements over previously existing types and it is expected that the blooms will create a sensation when put on the market next winter. Some good things in the line of sweet peas were expected from New Zealand, but, unfortunately, the New Zealand crop was an almost complete failure, growers barely saving enough seed to preserve their stock.

### Grass.

Do not happen to know, Mr. Seedsman, how many varieties of grass there are? Five thousand, Professor Montgomery says in his "Productive Farm Crops," (Lippincott Farm Manuals). But out of this great number, man uses only ten, as a rule, and only five of those are extensively cultivated. It is a curious fact that while practically every other farm crop has undergone great changes under cultivation, grasses are almost the same now as when man first began to use them as a wild plant. 1,000 varieties of wheat, 500 varieties of corn, and only one variety of blue-grass, or any other grass under cultivation; grass varieties developed themselves before man took a hand in the game. And no matter what their deficiencies, he has so far been content to use them without attempting improvement. If all flesh is grass, it might be a good idea to improve the grass, and note the effect on the ultimate product.

### MINNESOTA NURSERY LAWS.

#### A Wrong Interpretation.

A mistaken idea exists among some Minnesota nursery stock dealers and florists that they are required by the Minnesota law to purchase their supplies from Minnesota nurseries and not from nurseries or dealers in other states. This impression is epitomized by the prominently displayed paragraph on the letterhead of a Minnesota nurseryman, reading:

"Nurserymen have to furnish their customers with nursery stock from a bona fide inspected Minnesota nursery, according to law passed by the state legislature at the 1913 session."

If this were true, the provision would clearly be unconstitutional as a discrimination against stock grown in other states. (In re Schechter, 63 Fed. Rep. 695; Minn. v Barber, 16 U. S. 313, 322.)

The Minnesota Legislature in 1915 amended the law of 1913, section 7, so that the Minnesota dealer or florist can, by filing an affidavit that he will buy and sell only stock duly inspected by an official state inspector (not necessarily a Minnesota inspector), and filing with the state entomologist a list of all sources of stock, sell his stock freely. CURTIS N. SMITH.

### NURSERY STOCK IMPORT RULES.

The Federal Horticultural Board, U. S. Department of Agriculture, has just issued (May 15, 1916) Rules and Regulations governing the importation of nursery stock into the United States effective July 1, 1916, and superseding all former rules. The most important change is the provision that permits to import nursery stock from countries which maintain nursery stock inspection and permits to import orchids and tree seeds from countries which do not maintain nursery stock inspection, instead of being reissued each year, will be valid until revoked. CURTIS NYE SMITH.

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**W. E. MARSHALL & CO.**  
**SEEDS, PLANTS AND BULBS**  
Horticultural Sundries

166 W. 23rd St., NEW YORK

**MICHELL'S**  
Seasonable Seeds, Bulbs,  
Plants and Supplies

Send for Wholesale Catalogue

**HENRY F. MICHELL CO.**

518 MARKET ST. PHILADELPHIA

Our WINTER-ORCHID-FLOWERING SWEET PEA has done well wherever grown the past winter. New List will be out in June. If not on our books already, send your name in.

**ANT. C. ZVOLANEK**

Sweet Pea Ranch Lompoc, Cal.

## KEYSTONE SNAPDRAGON

Best Winter Flowering Pink Snapdragon on the market. Per pkt., \$1.00; 6 pkts. for \$5.00.

**S. S. SKIDELSKY & CO.**

PHILADELPHIA, PA.

## LILIUM GIGANTEUM

COLD STORAGE

Extra Selected Stock. Gladiolus for forcing. Nannus, Colvill or large flowering type. Greenhouse Fertilizers. Ask for 1916 Seed Catalogue.

Joseph Breck & Sons Corp., Seedsmen  
47-54 No. Market St., BOSTON, MASS.

VERY SHORT CROP OF

## TENERIFFE BERMUDA ONION SEED

Seedsmen and dealers are invited to write to me at once for full particulars of HOW TO SECURE CERTAIN SEED AT MODERATE PRICES. Write quick to avert disastrous consequences.

**FEDERICO C. VARELA,**

Teneriffe (Canary Islands).  
Letter postage to Teneriffe, 5 cents.

## Thorburn's GLADIOLUS

Various Choice Mixed  
Varieties

See our Florists' Catalogue and ask for special prices.

**J. M. THORBURN & CO.,**  
53 Barclay St., New York

## FOR GLADIOLUS

PENDLETON,  
HALLEY, Etc.

Send to Childs

**John Lewis Childs, Inc.**

FLOWERFIELD, L. I., NEW YORK

**J. BOLGIANO & SON**

WHOLESALE FIELD AND GARDEN SEEDS

Established 1818

Write For Our Low Prices

**LIGHT, PRATT and ELLICOTT STS.**  
BALTIMORE, MD.

## MIGNONETTE

IMPROVED ECLIPSE.

Superior to all others for winter blooming, exhibition, or cutting. Immense fragrant spikes 10 to 15 inches long. Greenhouse grown seed from a re-selected strain. Pkt. 25c., 1/16 oz. \$1.00. Catalogue upon application.

**THOMAS J. GREY CO., Seedsmen**  
29 So. Market St., Boston, Mass.

## BURNETT BROTHERS

Importers and Growers of

**SEEDS, BULBS, PLANTS, &c.**

98 Chambers Street, New York

**JAMES VICK'S SONS**

**Seedsmen, Nurserymen,  
Florists**

**ROCHESTER, N. Y.**

**ALEX. McCONNELL**

611 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or cash must accompany all orders from unknown correspondents.

Cable Address: ALEXCONNELL.

**For KANSAS CITY**

Transfer Your Orders to

**SAMUEL MURRAY**

1017 Grand Avenue

Members Florists' Telegraph Delivery

Orders for New York. Write or Phone to

**MAX SCHLING**

22 West 59th Street, Adjoining Plaza Hotel

Best Florists in the States as References.

EUROPEAN ORDERS EXECUTED.  
Members of the Florists' Telegraph Delivery.

**The Park Floral Co.**

J. A. VALENTINE, Pres.

Members Florists' Telegraph Delivery.

**DENVER, COLORADO**

**DAVID CLARKE'S SONS**

Deliver orders from any part of the country to  
New York City

**Or OUT-GOING STEAMERS**

Write or Telegraph

2130-2141 Broadway, New York  
Telephone 1543-1545 Columbus

**YOUNG & NUGENT**

42 West 28 Street  
New York

Members Florists' Telegraph Delivery

**G. E. M. STUMPP**

761 Fifth Ave.

**NEW YORK CITY**

Member Florists' Telegraph Delivery Asso.

**WORCESTER, MASS.**

**Randall's Flower Shop**

HARRY L. RANDALL, Proprietor.

Member Florists' Telegraph Delivery Association

**Of Interest to Retail Florists**

NEW FLOWER STORES.

Chicago, Ill.—Charles Flower Shop, 111 W. Madison Street.

New Orleans, La.—The Grand Store, returned to Canal Street.

Newark, N. J.—M. Gahr, formerly to 312 Springfield Avenue.

New York, N. Y.—Twentieth Century Flower Shop, 1 West 42d Street.

Pittsburgh, Pa.—Jos. Feinberg and Thomas Silverblatt, Upper Liberty Avenue.

**NEWS NOTES.**

Jamestown, N. Y.—The Valley City Floral Company has purchased the business of the Jamestown Floral Co.

Hannibal, Mo.—Michael Sedlheimer has purchased the greenhouses and business of E. A. Hodge, and will make considerable improvements and additions.

New Bedford, Mass.—E. S. Haskell, well known as a florist for many years in New Bedford, has announced his candidacy for appointment as superintendent of parks to succeed the present incumbent, Thomas W. Cook, if that portion of the Fusion party which is opposed to Mr. Cook is successful in getting him out.

Providence, R. I.—"Baby's Flower Day," conducted on May 13th by the Federal Hill House Association for the benefit of the baby clinic, was a greater success than its promoters anticipated. It was the desire of the committee to raise \$500. This figure was exceeded, the total collected being \$723.70. Flowers were sold by 50 flower girls, who did not leave the business district, and by 2 o'clock headquarters was swept clean of blossoms.

**BUSINESS TROUBLES.**

Houston, Tex.—In the district court, the appointment of a receiver for the Fort-tide Flower Shop, 617 Main Street, has been asked for.

**WHY**

*Jinn* The Florist?  
4 Park St., Boston, Mass.

**Because Satisfaction  
Is Guaranteed**

Established 1874

**DARDS**

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address Dardsflor

**JOHN BREITMEYER'S  
SONS**

Cor. Broadway and Gratiot Aves.  
DETROIT, MICH.

**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.  
Members Florists' Telegraph Delivery Association.



**GUDE BROS. CO.**  
WASHINGTON, D. C.

Member Florists Telegraph Delivery

**IN THE  
National Capital**

At your service to deliver Flowers or Designs on Order by Telegraph or otherwise. Prompt Reliable Service.

**GEORGE H. COOKE**

Connecticut Ave. and E. St.  
WASHINGTON, D. C.

Rochester, N. Y.

**J. B. KELLER SONS,  
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 3720  
Members Florists Telegraph Delivery

**"THE HOME OF FLOWERS"**

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

**HOLM & OLSON, Incorporated**  
ST. PAUL, MINN.

**THE ROSERY**

23 STEUBEN ST.

**ALBANY, N. Y.**

FLOWER DELIVERIES FOR ALBANY  
AND VICINITY

Members Florists' Telegraph Delivery

**A. T. BUNYARD**

NEW YORK

413 Madison Avenue at 48th Street.

WE GUARANTEE SATISFACTION

MEMBER F. T. D. A.

# CHICAGO Send Your Orders to **WILLIAM J. SMYTH**

Member Florists' Telegraph  
Delivery Association

**Michigan Ave. at 31st Street**

Prompt Auto Delivery  
Service

**THOS. F. GALVIN**  
INC.  
**NEW YORK** 561 Fifth Ave.  
Vanderbilt Hotel  
**BOSTON** 1 Park Street  
799 Boylston Street  
Deliveries to Steamers and all Eastern Ports

## CLEVELAND

**A. GRAHAM & SON**  
5523 Euclid Ave.  
We take good care of your orders  
Members of F. T. D. Association.

## WASHINGTON

915 F ST. N. W.  
**F. H. KRAMER**  
Auto delivery of Designs and Flowers to  
any address in Washington.  
Stock and Work First Class

Orders Filled Day or Night for  
**CLEVELAND**  
and State of Ohio  
Complete Stock. Regular discount to Trade.  
**KNOBLE BROS.**  
1836 W. 25th St., Cleveland, O.  
Members Florists' Telegraph Delivery Ass'n.

**THE SMITH & FETTERS CO.**  
735 Euclid Avenue  
**CLEVELAND, OHIO**  
Flowers of Every Kind in Season

**SALTER BROS.**  
—FLORISTS—  
38 Main Street, West  
**ROCHESTER, - N. Y.**

**HESS & SWOBODA**  
FLORISTS  
Telephones 1501 and L 1533.  
1415 Farnum St.,  
**OMAHA, NEB.**

**S. A. ANDERSON**  
440 Main St., Buffalo, N. Y.  
ANDERSON service means fresh, sturdy  
Stock and prompt deliveries in BUFFALO,  
LOCKPORT, NIAGARA FALLS and  
WESTERN NEW YORK.  
Members of Florists' Telegraph Delivery.

**KERR** ORDERS FOR TEXAS  
HOUSTON, TEXAS  
Member F. T. D. Association

## IN THE HEART OF THE COMMONWEALTH

Centrally Located for Deliveries in All Parts of New England.

**H. F. A. LANGE**

125,000 Sq. Ft. of Glass  
WORCESTER, MASS.

## Flowers by Telegraph

Leading Retail Florists Listed by  
Towns for Ready Reference. Orders  
transferred by telegram or otherwise  
to any of the firms whose address is  
here given will be promptly and prop-  
erly filled and delivered.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl  
St.

Albany, N. Y.—The Rosery, 23 Steuben  
St.

Albany, N. Y.—William C. Gloeckner, 97  
State St.

Boston—Thos. F. Galvin, 1 Park St.

Boston—Penn the Florist, 124 Tremont  
St.

Boston—Zinn the Florist, 4 Park St.

Buffalo, N. Y.—S. A. Anderson, 440 Main  
St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan  
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid  
Ave.

Cleveland, O.—Adam Graham & Sons,  
5523 Euclid Ave.

Cleveland, O.—Knoble Bros., 1836 W. 25th  
St.

Cleveland, O.—The Smith & Feters Co.,  
735 Euclid Ave.

Denver, Col.—Park Floral Co., 1643  
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,  
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017  
Grand Ave.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-  
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. corner 44th St.  
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth  
Ave.

New York—Thos. F. Galvin, Fifth Ave.,  
at 46th St.

New York—A. T. Bunyard, 413 Madison  
Ave., at 48th St.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415  
Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25  
Clinton Ave., N.

Rochester, N. Y.—Salter Bros., 38 Main  
St., West.

San Francisco—Pellicano, Rossi & Co., 123  
Kearny St.

St. Louis, Mo.—Fred C. Weber, 4326-28  
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-  
son Co.

Toronto, Can.—J. H. Dunlop, 8-10 West  
Adelaide St.

Washington, D. C.—Gude Bros., 1214 F  
St.

Washington, D. C.—F. H. Kramer, 915  
F St., N. W.

Washington, D. C.—George H. Cooke,  
Connecticut Ave. and L St.

Westerly, R. I.—Reuter's.

Worcester, Mass.—H. F. A. Lange.

Worcester, Mass.—Randall's Flower Shop,  
3 Pleasant St.

*Penn* The Florist

"The Telegraph Florist"

Member of Florists' Telegraph Delivery

124 Tremont St., **BOSTON**

**REUTER'S** Members Florists  
Telegraph  
Delivery

STORES IN

New London and Norwich, Conn.  
and Westerly, R. I.

We cover the territory between  
New Haven and Providence  
**ST. LOUIS, MO.**

**FRED C. WEBER**  
4326-28 Olive St.

Member Florists Telegraph Delivery Association  
NOTICE INITIALS. We have one store only

**THE J. M. GASSER COMPANY,**

**CLEVELAND**

Euclid Avenue

The Far-Famed Flowers of  
**TORONTO**

Delivered on mail or telegram order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP**  
8-10 West Adelaide St. - TORONTO, ONT.

ALBANY, N. Y.

**EYRES**  
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER  
111 NORTH PEARL STREET, ALBANY, N. Y.



# FOR MEMORIAL DAY

## NEW CROP DAGGER FERNS

**\$2.00 per 1000**

**Can Supply in Any Quantity**

**H. M. ROBINSON & CO., 32 OTIS ST. 2 WINTHROP SQ. BOSTON**

Telephones, Main 2616-2617-2618; Fort Hill 25290

## NEWS ITEMS FROM EVERYWHERE

### CHICAGO.

Wholesalers were notified today that no more shipments of ferns would be made from Massachusetts to Chicago at present.

A new cottage is now completed at Williams' Bay, Lake Geneva, and the Budlong and Schupp families will soon be settled there for the summer.

At Kennicott's, peonies are coming in and are being promptly placed in cold storage. The greater part of the blooms are arriving in satisfactory condition, and it looks now as if the season will be a profitable one.

The Stanley rose is each year gaining in favor at the J. A. Budlong place where it made its first appearance in some unknown way. Thinking it something entirely new, Mr. Schupp named it Priscilla, after his daughter, and later learned that it is the Stanley. One large bloom of this bloom was by actual count found to contain nearly 100 petals. Mr. Schupp has now quite a stock and likes the rose for its pink color, form and fine stem and foliage.

The strike which is now on does not affect those growers within a few miles of the city who use motor trucks. So far shipments by train have generally been delivered without much delay and no violence, but with outgoing shipments there has been more or less delay and with Memorial Day almost upon us and commencement season at hand, it is much to be desired that the difficulties of the express drivers be adjusted soon, if possible. Everything possible is being done by the representatives of the trade to bring this about.

### ST. LOUIS.

The Art League offers \$50 in prizes for floral displays in downtown windows for the week of the Democratic

National Convention, beginning June 11th.

W. J. Pilcher, of Kirkwood, reports that his rose grower, George Schmidt, broke his arm last week when his horse ran away near his greenhouse plant.

The new greenhouse plant of H. Blixen is almost completed and will be, when finished, 20,000 feet of glass. This is just across the way from J. F. Ammann's place, which consists of 50,000 square feet of glass. The new firm, known as the Woodlawn Gardens, will grow roses, carnations and chrysanthemums for this market.

### WASHINGTON, D. C.

George A. Comley, of 1204 Wisconsin avenue, suffered a rather painful accident recently, badly bruising his hand and breaking one of his fingers.

The Brookland Rose Society announces that because of the cold weather it has postponed until Monday and Tuesday of next week the annual exhibition of roses which had been scheduled for the present week.

Peter Bisset has returned from a trip to New York City and Philadelphia, to which places he went to inspect the cooperative tests of American and Holland grown bulbs. He also inspected newly-introduced materials in the nurseries and greenhouses.

Fred H. Kramer is complaining of the way in which shipments of rhododendrons and boxwood from Holland reached him last week. Both were in such poor condition as to be worthless. In all probability the plants were held up on the docks in Europe for a long time before being loaded.

There is now required but the signature of the President to make the Johnson measure, prohibiting fraudulent advertising in the District of Columbia, to become a law. The proposed law carried with it fines of up to \$500 and imprisonment of up to six months for violations. Washington merchants have been working hard for a long time in the effort to have this law enacted.

### BOSTON.

Miss E. B. Snell, of Cambridge, is now in the employ of Henry R. Comley, Park street.

An exquisite display of pond lilies is the attraction in Thomas F. Galvin's window this week.

Wm. T. Chase, who has been with Julius Zinn for many years, is taking a much-needed and well-deserved rest at Hudson, Mass.

Martin Lally, manager of J. Newman's Tremont Street store was by illness forced to temporarily relinquish his duties last Wednesday.

There has been considerable discussion over the advisability and legality of keeping the Boston Market open for business on Sunday, May 28. Those in favor of the plan contend that Saturday is a bit too early for transacting the bulk of the holiday trade and that Monday, on the other hand, is too late. No official action has yet been taken by the directors.

The entire wholesale florist district of Boston will be completely isolated from all shipping points during the Preparedness Parade on Saturday the 27th. The route of the parade is such that Winthrop Square and Devonshire street will be surrounded by a practically impenetrable human wall during the busiest half-day that the florist calendar knows. Permits for crossing the line of march cannot be obtained and there is but one way to get bundles and packages to the North or South Stations. This is afforded by the subway on Franklin street, and it will be woefully inadequate in serving the purposes of the wholesale consignors. There seems to be no other way out of the difficulty.

FLOWERS BY TELEGRAPH

## SAN FRANCISCO

CALIFORNIA

## Pelicano, Rossi & Co.

129 KEARNY ST.

## HIGH GRADE PLANTS

For Retail Stores a Specialty

ASK FOR LIST

THOMAS ROLAND, Nahant, Mass.

# PROFITS PROFITS PROFITS

## "HERE COMES THE BRIDE"

There's Money in June Weddings and June Graduations and Commencement Days for the Florist **WHO KNOWS HOW TO PLEASE.**

We can supply you with strictly up-to-date accessories, which you **must** have if you want to give satisfaction. Stock up now and have the goods to show customers. Send for prices and you will be astonished to see how much you can do with a little money when you go straight to headquarters—**THE FLORISTS' SUPPLY HOUSE OF AMERICA.**

# H. BAYERSDORFER & CO.

1129 Arch Street, PHILADELPHIA, PA.

### PHILADELPHIA.

Dennis T. Connor, of the Lord & Burnham Co., has been confined to his bed for the past two weeks, the result of a fall while visiting Baltimore.

Theodore H. Bird, a well known public accountant of this city, died on the 20th inst. He attended many of the festivities of the florists and was a wonderful singer and a great humorist.

Mr. Prince at the W. K. Harris place states that their business from Thanksgiving to Easter was unprecedented, especially in the sale of azaleas. Six houses are now being started with chrysanthemums.

Wm. J. Muth, of the King Construction Co., is much pleased with his new quarters in the Harrison Building where the added facilities for meeting customers are greatly appreciated on both sides. He still keeps up his private residence at Lansdowne where customers can ring him up as usual outside of business hours.

The J. Wm. Colflesh Nurseries at 53rd and Woodland avenue, contemplate moving to Glenolden, Pa., sometime in the near future, having bought a farm at that place. They will retain the present place for the retail end. Mr. Colflesh deplores the lack of geraniums, saying he could dispose of 20,000 plants, if he had them.

Going through the immense nurseries of the Robt. Craig Co., at Norwood, the old adage "Big oaks from little acorns grow," is well exemplified. In 1856 when that portion of West Philadelphia now denominated as the 52nd street district, was a practical wilderness, Robert Craig started the

nucleus of this immense business, at 49th and Market streets. Starting with one house 50 ft. long, right by his dwelling, as was the custom of florists at that period, by strict attention to his business and a perfect knowledge of his profession, Mr. Craig had the pleasure of seeing his original plant expand and expand, until the nursery finally took in four city blocks, with 75,000 feet of glass. Among the new things being pushed now are the John Wanamaker fern and Ficus Craigii, for which the demand is very lively. The Craig business has developed so as to require at times the services of 75 to 100 expert packers, under the direction of Joe Hetherington, who has been with them since 1882, shipping over 6,000 cases a year to various parts of this country. There is comparatively little left of the original plant at 49th and Market streets, it being used practically as a receiving and shipping station of the Norwood Nurseries. The quaint old houses of 1856, together with some of the later houses are still retained, but there is little if any selling here, with the exception of one house which they still retain as a retail flower market during May to July.

### NEW CORPORATIONS.

Arlington, Mass.—Rawson Conservatories, Inc., capital stock, \$75,000. Incorporators, Guy Q. Ham, Wm. H. Taylor, 53 Farragut Road, Boston, and G. A. Ham.

St. Louis, Mo.—Foster, the Florist Company, 8th and Olive streets. Capital stock \$2,500. The shareholders are J. H. Vette, 23 shares; Frank Alwoel, one share; Fred J. Foster, one share.

### DECORATION DAY.

Do you know what it means, you boys and girls.

Who hail from the North and the South,  
Do you know what it means—

This twining of greens

Round the silent cannon's mouth?

This strewing with flowers the grass-grown grave,

This decking with garlands the statues brave;

This flaunting of flags,

All tatters and rags;

This marching and singing,

These bells all a ringing;

These faces grave and these faces gay,

This talk of the Blue and this talk of the Gray.

In the North and the South. Decoration Day?

Not simply a show-time, boys and girls,

Is this day of falling flowers;

Not a pageant, a play,

Nor a holiday

Of flags and floral bowers;

It is something more than the day that starts

War memories a-throb in veteran's hearts;

For across the years,

To the hopes and the fears,

To the days of battle,

Of roar and of rattle—

To the past that now seems so far away,

Do the sons of the Blue and the sons of the Gray

Gaze hand clasping hand Decoration Day.

For the wreck and the wrong of it, boys and girls,

For the terror and loss, as well,

Our hearts must hold

A regret untold,

As we think of those who fell.

But their blood, on whichever side they fought,

Remade the nation and progress brought!

We forget the woe,

For we live and know

That the fighting and sighing,

The falling and dying,

Were but steps toward the future—the martyr's way!

A-down which the sons of the Blue and the Gray

Look, with love and with pride. Decoration Day.

—E. S. B. in Boston Transcript.

A Florist's  
Necessity

# HART'S HANDY HANDLE

Fits securely on any standard pot and by the use of a little chignon or ribbon gives you a Basket effect at a very small additional expense, increasing the price of your plants 100 per cent.

1	12 inches high, \$2.50 per doz.	4	24 inches high, \$5.00 per doz.
2	15 " " 3.50 " "	5	30 " " 6.50 " "
3	18 " " 4.00 " "	6	36 " " 9.00 " "

At Your Dealer's or Direct.

GEO.B. HART, Manufacturer, 24 to 30 Stone Street, Rochester, N.Y.

FOR DECORATION DAY  
NEW CROP  
**DAGGER FERNs**

5000 FOR \$10.00

*Long Ferns—Extra Fine*

**THE LEO NIESSEN CO.**

*Wholesale Florists*

1201-05 Race Street,

PHILADELPHIA, PA.

**TRY**  
**Horticulture's Advertisers**

**FIRST**

Before Looking Elsewhere

Tell Them You Did So And  
They'll Reciprocate

**EDWARD REID**  
**WHOLESALE FLORIST**

1619 - 21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES  
and all Seasonable Varieties of Cut Flowers

**REED & KELLER**  
122 West 25th St., New York  
**Florists' Supplies**

We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Decorative Glassware, Growers and  
Florists' Requisites

**Wired Toothpicks**

Manufactured by

**W. J. COWEE, Berlin, N. Y.**

10,000...\$1.85. 50,000...\$8.00. Sample free.  
For sale by dealers.

**E. G. HILL CO.**

**Wholesale Florists**  
**RICHMOND, IND.**

Please mention Horticulture when writing.

**MICHIGAN CUT FLOWER**  
**EXCHANGE, Inc.**

WHOLESALE COMMISSION FLORISTS  
Consignments Solicited

*Hardy Fancy Fern Our Specialty*  
264 RANDOLPH ST., DETROIT, MICH.

Telephone 2860 Madison Square

**WOODROW & MARKETOS**  
WHOLESALE

**Plantsmen and Florists**

37 and 39 West 28th St., NEW YORK



**POEHLMANN BROS. CO.**

*Supply of Best Cut Flowers all the Year Around*  
**72-74 EAST RANDOLPH ST., - - - CHICAGO.**

If interested, send us your name and address for our weekly price list

**WELCH BROS. CO. Wholesale Cut Flower Market**

Daily consignments from Full line of Florists' leading growers Supplies Write for quotations before ordering elsewhere

**226 DEVONSHIRE ST., BOSTON, MASS.**  
Telephone, Main 6267-6268

**WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY**

	BOSTON May 25		ST. LOUIS May 22		PHILA. May 22	
<b>Roses</b>						
Am. Beauty, Special	15.00	to 25.00	15.00	to 25.00	20.00	to 25.00
" " Fancy and Extra	10.00	to 25.00	6.00	to 10.00	10.00	to 15.00
" " No. 1	1.00	to 6.00	1.00	to 5.00	2.00	to 8.00
Russell, Hadley	4.00	to 12.00	5.00	to 12.00	3.00	to 10.00
Killarney, Richmond, Hillingdon, Ward, Extra	6.00	to 10.00	4.00	to 6.00	6.00	to 10.00
" " Ordinary	2.00	to 6.00	2.00	to 3.00	2.00	to 5.00
Arenburg, Radiance, Taft, Key, Extra	6.00	to 18.00	.....	.....	6.00	to 10.00
" " Ordinary	3.00	to 6.00	.....	.....	2.00	to 5.00
Ophelia, Mock, Sunburst, Extra	6.00	to 12.00	6.00	to 8.00	6.00	to 10.00
" " Ordinary	3.00	to 6.00	3.00	to 4.00	2.00	to 5.00
<b>Carnations, Fancy</b>	6.00	to 8.00	8.00	to 10.00	3.00	to 5.00
" " Ordinary	4.00	to 5.00	.75	to 1.00	2.00	to 3.00
<b>Cattleyas</b>	40.00	to 50.00	30.00	to 40.00	25.00	to 60.00
<b>Dendrobium formosum</b>	.....	to 25.00	.....	to 25.00	.....	to 25.00
Lilies	6.00	to 8.00	4.00	to 5.00	6.00	to 8.00
Lily of the Valley	2.00	to 5.00	3.00	to 4.00	1.00	to 5.00
Daisies	1.00	to 2.00	.25	to .35	.40	to 1.00
Mignonette	2.00	to 4.00	3.00	to 4.00	.....	to 4.00
Snopdragon	4.00	to 8.00	3.00	to 4.00	8.00	to 10.00
Peonies	4.00	to 8.00	4.00	to 6.00	5.00	to 8.00
Gladioli	6.00	to 8.00	4.00	to 6.00	8.00	to 8.00
Calendulas	1.00	to 2.00	2.00	to 3.00	2.00	to 3.00
Stocks	3.00	to 5.00	2.00	to 4.00	1.00	to 3.00
Sweet Peas	1.00	to 1.00	1.00	to 3.00	.50	to 1.00
Geraniums	12.00	to 20.00	10.00	to 20.00	3.00	to 15.00
Adiantum	.....	to 1.00	1.00	to 1.85	.....	to 1.00
Smilax	18.00	to 25.00	19.00	to 20.00	20.00	to 25.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	25.00	to 35.00	25.00	to 50.00	25.00	to 50.00

**WILLIAM F. KASTING Co.**  
**Wholesale Florists**

**383-387 ELLICOTT ST. - - BUFFALO, N. Y.**

**J. A. BUDLONG**

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and  
CARNATIONS  
A Specialty

WHOLESALE  
GROWER OF

**CUT FLOWERS**

In writing to Advertisers kindly mention Horticulture

## Flower Market Reports

A synopsis of this week's BOSTON market conditions is scarcely indicative of the true state of affairs, for while business has been fairly brisk there has been an undertone of calmness which usually precedes a storm. With the possible exception of roses there is an appalling shortage of all flowers, and there are none too many roses, if the supply be carefully compared with the demand. First-class whites are bringing record prices, and short lengths in red are unusually busy. Short Beauties have taken a rise from last week's slump and the entire rose market is striving to adjust itself to the sharp falling off in the shipments from the growers. Carnations are even scarcer. Retailers report a constant demand for peonies, and the wholesalers have been forced to call upon the Philadelphia markets to fill their orders. Snapdragons are fairly active with sweet peas a shade better. More than one grower will be forced to admit his crop of feverfew a failure, at least as far as the holiday is concerned, for at present it is far behind schedule. Stocks are coming in goodly quantities and they form an old standby for this particular day. Spirea has not made its appearance yet and is being eagerly awaited. The Darwin tulip is the only bulbous flower to be obtained. Present indications point to an unparalleled volume of Decoration Day business and if the all-powerful sun will but shine for the next few days Boston may expect a record sales-total. Darwin tulips are quoted at \$3.00 to \$4.00 and Spanish iris at \$6.00 to \$8.00.

For the past week cold BUFFALO drizzly days and heavy rains has shortened up the stock and there is a scarcity on some lines, especially carnations. Demand was heavy and this helped the rose situation. Lilies are now growing less each day, also callas, and there are not too many outdoor flowers. Some fine Darwin tulips are had and these sell up quickly. Lily of the valley is scarce and high. Beauties are only fair in quality, but other roses are fine. Indications again point toward a heavy Memorial Day.

Warm, bright weather is bringing forward a fine lot of stock of every seasonable kind. The peony crop this week is in full swing and drifting steadily into the cold storage vaults. Some are coming in too far open, but the greater proportion of the stock is being received in fine condition. Roses are all that could be desired, with every kind in good supply. Carnations are all that the growers could ask, with Memorial Day just a week off, and it looks now as if these favorites of this holiday are to be in enormous supply. Of miscellaneous stock there is much to choose from and the buyer on the spot has a wide range, with every known color of sweet peas in quantity, extra fine snapdragons, irises, calendulas, etc. The difficulties in the way of shipping out by express are temporarily working to the advantage of the local buyers, but it is expected that the troubles of the express companies will soon be adjusted.



## FOR THE JUNE GIRL A PEONY DECORATION

Light pink and white we have them in unlimited quantities, also plenty of the other shades, all splendid quality, the newer varieties.

\$3, \$4, \$5, \$6 per 100

VALLEY ..... \$5.00, \$6.00 per 100  
SWEET PEAS ..... \$1.00, \$1.50 per 100  
CATTLEYES ..... \$5.00, \$6.00 per doz.

EVERYTHING IN RIBBONS FOR THE JUNE GIRL

## S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

PHILADELPHIA NEW YORK BALTIMORE WASHINGTON  
1608-1620 Ludlow St. 117 W. 28th St. Franklin & St. Paul Sts. 1216 H St., N. W.

## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI May 22		CHICAGO May 25		BUFFALO May 22		PITTSBURG May 8	
<b>Roses</b>								
Am. Beauty, Special.....	35.00	to 40.00	30.00	to 35.00	20.00	to 25.00	20.00	to 25.00
" " Fancy and Extra.....	25.00	to 30.00	20.00	to 30.00	15.00	to 20.00	10.00	to 15.00
" " No. 1.....	15.00	to 20.00	6.00	to 15.00	8.00	to 10.00	6.00	to 8.00
Russell, Hadley.....	8.00	to 15.00	3.00	to 20.00	6.00	to 8.00	4.00	to 12.00
Killarney, Richm'd, Hill'don, Ward Ord.	8.00	to 12.00	8.00	to 10.00	4.00	to 6.00	6.00	to 12.00
Arenburg, Radiance, Taft, Key, Ex. Ord.	4.00	to 6.00	3.00	to 6.00	3.00	to 4.00	.....	to 4.00
Ophelia, Mock, Sunburst, Extra Ord.	8.00	to 12.00	8.00	to 12.00	6.00	to 8.00	6.00	to 12.00
Carnations, Fancy.....	4.00	to 6.00	4.00	to 5.00	3.00	to 6.00	.....	to 4.00
" Ordinary.....	3.00	to 4.00	5.00	to 6.00	3.00	to 4.00	4.00	to 6.00
Cattleyas.....	2.00	to 3.00	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00
Dendrobium formosum.....	40.00	to 50.00	50.00	to 75.00	40.00	to 50.00	60.00	to 75.00
Lilies.....	.....	.....	.....	.....	.....	.....	.....	.....
Lily of the Valley.....	10.00	to 12.00	8.00	to 12.00	.....	.....	.....	.....
Daisies.....	.....	.....	3.00	to 5.00	5.00	to 6.00	4.00	to 5.00
Mignonette.....	.....	.....	1.50	to 2.00	1.00	to 2.00	1.50	to 3.00
Snapdragon.....	.....	.....	4.00	to 6.00	2.00	to 3.00	3.00	to 4.00
Peonies.....	6.00	to 10.00	6.00	to 8.00	3.00	to 6.00	4.00	to 8.00
Gladioli.....	4.00	to 6.00	4.00	to 8.00	4.00	to 6.00	.....	.....
Calendulas.....	4.00	to 8.00	3.00	to 10.00	.....	.....	.....	.....
Stocks.....	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00	2.00	to 4.00
Sweet Peas.....	2.00	to 4.00	3.00	to 5.00	.....	.....	.....	.....
Gardenias.....	.50	to 1.00	.50	to 1.50	.50	to 1.50	.50	to 1.50
Adiantum.....	.....	.....	.....	.....	10.00	to 25.00	.....	.....
Smilax.....	.....	.....	1.00	to 1.25	1.00	to 1.25	1.00	to 1.25
Asparagus Plu. & Sprer. (100 Bhs.)	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00	.....	.....
	25.00	to 50.00	25.00	to 50.00	40.00	to 50.00	30.00	to 50.00

There is a noticeable falling off in the receipts of most staple flowers in the wholesale market but the demand has been slow and there is plenty of material for all comers. Decoration Day trade is always an enigma in this market until it has transpired and much of the result depends upon the calls that come from points North and East where, in some years, the outdoor crop of desirable flowers for cemetery use is too late for the occasion. Indications this season are that there will be a market for everything that comes in time for out of town calls and prices on some things are already stiffening up in anticipation. Never has the quality of material in all lines been better, the cool weather and slow growth being conducive to the production of sturdy substantial blooms. The dealers in greens are very busy all of the present week.

The continued cool weather here for the past ten days has kept the flower market in a very healthy condition. Stocks generally all along the line have been coming in rather scantily. Carnations

especially have been on the short side and prices firmed up quite a little. Sweet peas are also scarce. It seems a sort of "between wind and water" with these—the indoor about over and the outdoor only just commencing. The market on roses kept steady and there was no over supply. In the American Beauty and Russell class the higher grades are most in evidence. In Killarneys and others of that type there is a fair supply of all grades. Indoor lily of the valley went still higher notwithstanding the big influx of very nice outdoor stock offered at very reasonable prices. Blue cornflower is more in evidence than it has been so far this season. There are no local peonies as yet (22nd) and unless we have a few hot sunshiny days right off our nearby growers will miss their usual Memorial Day market—which is about their only chance. If they miss that there is little in it for them. We hope the weather man will relent and be good.

May weddings seem to have come into their own, as it were, and together with continual excessive demands in funeral work, are

Continued on page 738

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Choice Cut Flowers

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WHOLESALE FLORISTS

53 WEST 28th STREET NEW YORK CITY

Consignments Solicited

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Ferns, Mosses, Wild Smilax, Galax,  
Leucothoe, Palmetto, Cycas, both fresh  
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Laurel, Hemlock, all Decorative Evergreens.

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**NEW YORK QUOTATIONS PER 100. To Dealers Only****ROSES AND CARNATIONS**

	Last Half of Week ending May 20 1916		First Half of Week beginning May 22 1916	
American Beauty, Special	12.00	to 15.00	15.00	to 20.00
" " Fancy and Extra	8.00	to 12.00	6.00	to 12.00
" " No. 1	3.00	to 6.00	3.00	to 6.00
Russell, Hadley	1.00	to 12.00	1.00	to 12.00
Killarney, Richmond, Hillingdon, Ward, Extra	3.00	to 6.00	3.00	to 6.00
Ordinary	1.00	to 3.00	1.00	to 3.00
Arenburg, Radiance, Taft, Key, Extra	3.00	to 6.00	3.00	to 6.00
Ordinary	1.00	to 3.00	1.00	to 3.00
Ophelia, Mock, Sunburst, Extra	3.00	to 6.00	3.00	to 6.00
Ordinary	1.00	to 3.00	1.00	to 3.00
Carnations, Fancy	2.00	to 3.00	3.00	to 4.00
Ordinary	1.00	to 2.00	1.00	to 2.00

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Orchids, Gardenias and Many Unusual  
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WHOLESALE FLORISTS

55-57 West 26th Street

Telephones, 13-8510 Madison Square

Consignments Solicited

MAURICE L. GLASS, Treasurer

## Flower Market Reports

(Continued from page 737)

creating a demand for cut flowers, which is well-nigh impossible to supply. Not in a long time have flowers of all kinds been as scarce, and accordingly as high in price. Long-stemmed roses are practically the only ones obtainable, all others being relatively "out of sight." Home grown peonies are as yet only a vision with an accompanying fervent hope of realization. Practically all that are on the market now come from the South. Landscape and bedding work has never been as good, owing undoubtedly to the exceptional financial prosperity hereabouts. Both city and suburban florists and landscape engineers and gardeners alike affirm that they have never had as busy a season.

Business has been **ST. LOUIS** hardly up to the usual standard. The growers are all busy with plants. Stock of anything is in large supply and of extra good quality. It has taxed the capacity of the wholesalers all week. Prices are low and the poor stock has little chance of being sold. Out of door stock and cape jasmine buds from Texas add to the congestion.

Business continues **WASHINGTON** to be very good. Stock is very plentiful with the exception of lily of the valley and orchids. There is an over-abundance of peonies. The shipping business on peonies to the northern markets is very good, enabling these flowers to maintain a fair price. Carnations are in heavy supply but are cleaning up well, and there has been a good market for roses of all kinds. There is a heavy supply of gardenias. Sweet peas are again coming in good and are in fair demand. Gladioli are very plentiful and good. Snapdragon is being used to some extent in many dinner decorations.

### VISITORS' REGISTER.

Boston—Samuel Burns, representing William H. Lutton Co., Jersey City, N. J.

Chicago—Mrs. H. W. Buckbee, Rockford, Ill.; Paul Berkowitz, repr. H. Bayersdorfer & Co., Phila.

St. Louis—Martin Reukauf, repr. H. Bayersdorfer & Co., Phila.; Julius Dillhof, New York; J. W. Meyer, Cherryvale, Kansas.

Philadelphia—L. S. Baker, Allentown, Pa.; E. Gurney Hill, Richmond; Alex. Cumming, Center Square, Pa.; Dr. Peter H. Lane, Moosehead Lake, Maine; Arthur Kleinhans, Easton, Pa.; Chas. W. Uttley, Harrisburg, Pa.

Washington—S. Dernison, New York; John Radder, Boskoop, Holland; Samuel S. Pennock, Phila.; Antoine Wintzer and Robert Pyle, West Grove, Pa.; F. B. Michell, Phila.; D. M. Dunning, Auburn, N. Y.; J. H. McFarland, Harrisburg, Pa.; Admiral Aaron Ward, Roslyn, N. Y.; E. Allen Peirce, Boston, Mass.

Robert M. Smith has been made manager of the store of Koop, the Florist, 1766 Broadway, Brooklyn. He was formerly with Guttman & Raynor, the New York wholesalers.

## We are WHOLESALE FLORISTS

We handle every variety of cut flowers. We have 22 years' experience behind us, and we do not expect a gold medal for doing our full duty by our consignors and customers. You cannot go very far wrong when dealing with us.

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American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A.M.

## NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending May 20 1916		First Half of Week beginning May 22 1916	
Cattleyas	25.00	to 35.00	25.00	to 35.00
Dendrobium formosum	20.00	to 25.00	20.00	to 25.00
Lilies	3.00	to 5.00	3.00	to 5.00
Lily of the Valley	1.00	to 3.00	1.00	to 3.00
Daisies	.50	to 1.00	.50	to 1.00
Mignonette	2.00	to 3.00	2.00	to 3.00
Snapdragon	2.00	to 8.00	2.00	to 8.00
Peonies	4.00	to 6.00	4.00	to 6.00
Gladioli	4.00	to 6.00	4.00	to 6.00
Calendulas	1.00	to 2.00	1.00	to 2.00
Stocks	2.00	to 3.00	2.00	to 3.00
Sweet Peas	.25	to .75	.15	to .75
Gardenias	4.00	to 15.00	8.00	to 15.00
Adiantum	.50	to 1.00	.50	to 1.00
Smilax	12.00	to 20.00	12.00	to 20.00
Asparagus Plumosus, & Spreng (100 bunches)	15.00	to 25.00	15.00	to 25.00

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I have an unlimited market for your flowers, any variety, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty-eight years in the Cut Flower Commission Business.

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Pulverized Sheep Manure.  
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- Pulverized Manure Co., Chicago, Ill.  
Wizard Brand Cattle Manure.  
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**FLORISTS' PLANT STOCK**

- Anglin & Walsh Co., Williamsbridge, N. Y.  
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**FLORISTS' SUPPLIES**

- Reed & Keller, New York City.  
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- S. S. Pennock-Meehan Co., Philadelphia, Pa.  
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- H. Bayersdorfer & Co., Philadelphia, Pa.  
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- Welch Bros. Co., Boston, Mass.  
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**FLOWER POTS**

- W. H. Ernest, Washington, D. C.  
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- A. H. Hews & Co., Inc., Cambridge, Mass.  
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Fungine.  
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- Geraniums out of 3½ inch pots, \$7.00 per 100. Cash please. LEONARD COUSINS, JR., Concord Junction, Mass.
- S. A. Nutt, R. C., \$10.00 per 1000; 3 in., \$5.00 per 100; 4 in., \$8.00 per 100. FRANK LEITH & SON, Haverhill, Mass.

**GLADIOLI**

- J. M. Thorburn & Co., New York City.  
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- John Lewis Childs, Flowerfield, L. I., N. Y.  
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- A. Henderson & Co., Chicago, Ill.  
Forcing Gladioli.  
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**GLASS**

- Sharp, Partridge & Co., Chicago.  
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- Parshelsky Bros., Inc., Brooklyn, N. Y.  
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- Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

**GLAZING POINTS**

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Peerless Glazing Point.  
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- Gold fish, aquarium plants, snails, castles, globes, aquarium, fish goods, nets, etc., wholesale. FRANKLIN BARRETT, Breeder, 4815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

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- Lord & Burnham Co., New York City.  
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- A. T. Stearns Lumber Co., Neponset, Boston.  
Pecky Cypress.  
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**GREENHOUSE CONSTRUCTION**

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- John C. Moninger Co., Chicago, Ill.  
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**GREENHOUSE CONSTRUCTION—Con.**

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- Lord & Burnham Co., New York City.  
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- Metropolitan Material Co., Brooklyn, N. Y.  
Hitchings & Co., New York City.

**GUTTERS**

- King Construction Co., N. Tonawanda, N. Y.  
King Channel Gutter.  
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**HAIL INSURANCE**

- Florists' Hail Asso. of America.  
J. G. Esler, Saddle River, N. J.  
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**HARDY FERNS AND GREEN GOODS**

- Michigan Cut Flower Exchange, Detroit, Mich.  
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- The Kervan Co., New York.  
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- The Leo Niessen Co., Philadelphia, Pa.  
New Crop Dagger Ferns.  
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- H. M. Robinson & Co., Boston, Mass.  
New Crop Dagger Ferns.  
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- Caldwell The Woodsman Co., Evergreen, Ala.  
New Crop Ferns.

**HARDY PERENNIALS**

- Bay State Nurseries, No. Abington, Mass.  
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- Palisades Nurseries, Inc., Sparkill, N. Y.  
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- P. Ouwerkerk, Hoboken, N. J.  
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- Mitchell's Seed Store, Philadelphia, Pa.

**HART'S HANDY HANDLE**

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**HEATING APPARATUS**

- Kroeschell Bros. Co., Chicago.  
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- Parshelsky Bros., Inc., Brooklyn, N. Y.  
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- S. Jacobs & Sons, Brooklyn, N. Y.  
For page see List of Advertisers.
- Foley Greenhouse Construction Co., Chicago, Ill.  
For page see List of Advertisers.
- A. T. Stearns Lumber Co., Neponset, Mass.  
For page see List of Advertisers.

- Lord & Burnham Co., New York City.  
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**HOSE**

- H. A. Dreer, Philadelphia, Pa.
- Metropolitan Material Co., Brooklyn, N. Y.  
Non-Kink Woven Hose.  
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**HOTEL ACCOMMODATIONS**

- Hotel Cumberland, New York City.

**HYDRANGEAS FOR SUMMER BLOOMING**

- F. R. Pierson Co., Tarrytown, N. Y.  
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- Aphine Manufacturing Co., Madison, N. J.  
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## THE RED SPIDER

(An Address by Parker Thayer Barnes before the Florists' Club of Philadelphia May 2, 1916.)

The red spider is a pesky pest with which every person who grows plants under glass has a tussle sooner or later, usually sooner. It also gives much trouble at times to shade and even fruit trees. There really seems to be no limit to which its ramifications extend.

The red spiders are mites. They belong to the great class of Arachnida (A-rach'ni-da) to which spiders, scorpions and the daddy-long-legs belong. They bear to the more highly developed and complex insects, such as the moths and flies, a position somewhat similar to that of the ferns to flowering plants, although this is rather a poor simile.

The red spider is not a new insect in any way one may look at it. New species are being found from time to time but that is because but few specialists have worked on this branch of the animal kingdom, and they are so much alike that it is really hard to distinguish them. They have four pairs of legs, only three when born, but the other pair develops while they are young.

They winter over outside under stones and in leaves and other rubbish and when warm weather returns—about the time the leaves appear—climb the trees or other plants and start laying eggs. Each female can lay from five to ten eggs a day for a period of eight to twelve days. In five days they become adults. Brood after brood is produced all summer—but wet weather sometimes interferes. Much the same conditions exist in the greenhouse except that the spiders do not hibernate because it is warm there the year around.

The mites do not travel fast except when disturbed; ordinarily they move slowly, and for a greater portion of the time they are stationary, sucking the sap from the leaf on which they are resting. The removal of the sap from the cell causes the cell to dry out and die which gives it that peculiar look always associated with a severe attack. A similar appearance is caused in the fruit trees sometimes by a little leafhopper.

The genus of mites which contains the common red spider is *Tetranychus* and all the members of this genus spin a very fine thread. In severe attacks these threads are so abundant as to form a web, either upon the upper or lower surfaces of the leaves or covering the branch or a number of leaves. I have seen this occur in greenhouses where things were allowed to run in a haphazard way. The use of this web nobody seems to understand. It affords no protection to the mites. Dr. Bailes suggests that its chief use is to hold the eggs while

another scientist suggests that it keeps them from falling off the plant while they are molting. Experiments have proven that it does not in any way serve to aid their progress.

The spinning organs which produce this web are supposed to be situated in the head, the threads coming out through the palpi or feelers, but some very delicate dissection work under a high-powered microscope is still necessary to locate the red spider's spinning.

The common species of the greenhouses is *T. bimaculatus*. It is supposed to be red in color but any one who has ever examined them under a hand lens knows that some of them have a washed out color, much like the crushed strawberry colored shirt that has gone through the laundry. But the color does not vary in a colony; all of one colony are the same shade of color.

This species is by no means confined to greenhouses as I have already intimated nor to our northern climate. It is common in the south, at first on violets but it has now spread from this humble plant to the cotton plant. On this it works such damage that it has been necessary for the Federal Bureau of Entomology to detail men to learn how it can be easily and cheaply combated. In California it has threatened the hops crop and again the government has come to the aid of the beer drinkers and saved the backbone of their staple beverage. From this you can see that the grower of plants under glass is not the only sufferer from the mites or red spider.

The orange groves of Florida and California are infested with a couple of species. It was a serious pest as far back as 1889, for the Report of the Entomologist of the U. S. Department of Agriculture of that year reports it as a menace to the crop.

A pale greenish species, *T. pratensis*, is abundant in the west on alfalfa and other crops. A bright red species *T. opuntiae* plays hide-and-seek on the prickly pears of Texas. A very short-legged short-haired European species is found on the spruce tree of Canada. Another species is common on the leaves of the oak and chestnut, and a comparatively newcomer from Europe is *T. pelouse* which much prefers the fruit trees of our orchards. The European plum seems to be the favorite food plant of this species.

The array of species is no doubt uninteresting and to the average person a red spider is a red spider and just as much of a pest as Elias Butler Parker's guinea pigs of "Pigs is Pigs" fame.

How are we to get rid of them? That's the question and I suppose it was upon this point that our friend Watson hung the word explosion "A Red Spider Explosion." He thought that maybe I would blast all your preconceived ideas about the subject of red spiders.

The first thing I learned about red spider while serving my novitiate in

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the greenhouse was that as the cold of winter begins to strengthen making hard firing necessary, with the resulting drier air the red spider commenced to flourish and so we all believed that an arid condition was congenial to the red spider. I suppose it is in a measure, but it is not absolutely necessary. Last summer was far from being a dry summer, there were no long droughts in it, and yet I found red spider infesting shade trees in the vicinity of Harrisburg to such an extent that the trees had lost their green color, and had taken on a greyish or brownish color which gave them the appearance of much road dust having settled upon their surfaces.

We were taught that water was the only specific. It will wash them off, but do they have time to drown before the water has drained away from the soil where they fell under the plant, and so are they or are they not ready to crawl back on the plant. I do not know. I have not had sufficient time to watch them to find out.

Sulphur is the one best bet with which to fight the pest. You can blow it on by means of a blow gun; you can use lime-sulphur wash such as is used to kill the San José scale on the fruit trees, but of course, very much weaker, or you can use potassium sulphite (Liver of sulphur) one-half ounce to the gallon of water. This last you will all probably recognize as a standard remedy for mildew on roses.

Instead of blowing the sulphur on you can spray it on. One pound of sulphur mixed in three gallons of water and just enough soap to make it stick is a standard remedy on fruit trees as a summer spray, but in the greenhouse I would use it much weaker at first to make sure of not burning the foliage.

Prof. S. T. Maynard reports having successfully killed the red spider in a house of grapes by boiling the sulphur but this is a rather dangerous and tedious method.

If I was called upon today to fight a case of red spider in a greenhouse or on fruit trees, I would do one of two things. The first thing would be to spray the plants with a flour paste. That sounds like a very reckless



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procedure but you will find the paste is so thinly spread out that once it dries you cannot see it.

Mr. W. B. Parker of the Federal Bureau of Entomology invented the flour paste method of fighting red spider while working on the hop problem on the Pacific Coast. It is made as follows and these directions are for use in the open but you can modify them and figure down the amounts for use in greenhouse practice.

"Use a cheap grade of flour; take eight pounds. Make the flour into a thin batter by adding a little cold water at a time until eight gallons of water are used. Mash out all lumps. Cook until a paste is formed, stirring constantly to prevent caking or burning. Cooking slowly until the paste just begins to boil will usually be about right. If the paste is not sufficiently cooked the resulting spray will not be effective, and if overcooked the paste will harden when thoroughly cool and will not mix with water very readily. Add cold water to the paste when done to make 100 gallons of material in the spray tank. Keep it constantly stirred while spraying. Apply thoroughly to both the upper and under surface of leaves. Use a nozzle making a coarse spray, and not under 150 pounds pressure, as the driving force is necessary to penetrate the webs and reach the spiders. A fine moist spray will not be effective. This is a contact insecticide and the liquid must actually touch the spider. The materials are cheap; apply liberally. Watch the plants carefully, and if newly hatched spiders are appearing repeat the spraying in about seven days. No spray will kill the eggs without injuring the vines."

I have used this spray against red spider on plum trees in the Pittsburgh district and it worked, and I see no reason for its not working in the greenhouse. It is cheap and effective and will not in any way damage the foliage or flowers. We used Red Dog flour when making our paste. This is a cheap brand of flour that is a favorite food for hogs, and my recollection is that it cost us in actual cash outlay for material about seven cents a barrel (50 gallons) ready to apply to the trees.

We bought some potassium sulphide to try at this time, as this material had been very successful in the cotton experiments in the south, but the flour

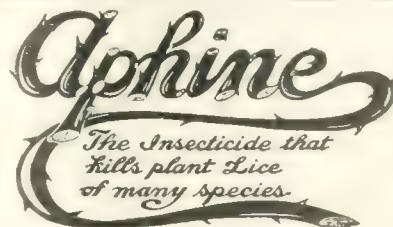
paste was so effective that our experimenting stopped.

My one other safe bet would be sulphur, blowing on the dry sulphur; or I would use atomic sulphur. This latter is a paste of very finely divided sulphur manufactured and sold by the Thomson Chemical Co. at Baltimore. I have not used it because at Harrisburg we have no facilities for experimenting. This material is now used in large quantities as a fungicide on peach trees for the scab and brown rot. In California Prof. W. M. Scott tells me that it is used against the red spider on citrus trees and a great variety of plants with success. Use when you commence to experiment with this form of sulphur about one-half to three-fourths of a pound in ten gallons of water and a little soap, say one-fourth of a pound. Dissolve the soap before putting it in the solution. Soap acts both as a spreader and sticker.

I have spoken of lime-sulphur wash. I do not recommend it because it is violent stuff and there is danger of burning the foliage until more experimental work is done. Prof. R. D. Whitmarsh in a recent bulletin from the Ohio Exp. Station makes the following recommendation with regard to its use on violets: In 25 gallons of water mix one-half pint of Neco-fume and two quarts of concentrated lime-sulphur wash. I have no doubt that it will work like a charm but at that strength of lime-sulphur I am sure some kinds of stock grown under glass would rebel, for it is strong enough to burn peach foliage in the open.

## PUBLICATION RECEIVED.

A Street Tree System for New York City. Bulletin of The New York State College of Forestry at Syracuse University. This publication is in the form of a report under date of February, 1916, by Prof. Laurie Davidson Cox to Park Commissioner Cabot Ward, Boroughs of Manhattan and Richmond. The contents comprise The Street Tree Problem in Manhattan, What Streets to Plant, Design in Street Tree Planting, Spacing and Arrangement, A Description of the Species Best Adapted for Manhattan Streets, Growing Conditions and Planting Methods, The Cost of Planting, with Standardized Planting Specifications, Organization and Budget, The Street Tree Census, and Street Tree Planting in Richmond. The pages are embellished with engravings and diagrams and several elaborate maps are bound in. There is an introduction by Hugh P. Baker. The volume is a valuable one, full of well considered suggestion and sound advice which anyone interested in this important subject of municipal adornment will find useful and instructive.



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Dr. George E. Stone, professor of botany at M. A. C., and for many years the Amherst tree warden, is about to publish a bulletin on shade trees which will be illustrated with pictures of typical trees. He believes that trees in New England have been seriously injured by the drouth of the seven years previous to this year. This drouth, he thinks, surpasses

in severity any that has occurred during the past 250 years. But he will rely most upon the evidence to be found by examining the rings in the stumps of the trees recently cut in the primitive forests of New England which had been growing for 200 years. These trees grew but little in years of drouth and much in rainy seasons and registered the fact by the concentric rings to be counted on the stump. Great elms and large pines are selected for the purpose.

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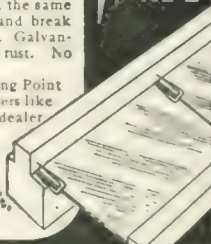
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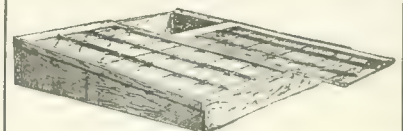
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No. 23

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Also Otuka, very large fine symmetrical specimens in half-barrels, unusually heavily budded, \$10.00 to \$15.00 each.

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Tarrytown, New York

# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Pope*.

## Bouvardias

There is certainly an increasing demand for these old favorites. There was a time when they were to be found in almost every greenhouse. Bouvardias should now be planted out. Give them a mellow soil; a sandy loam is ideal. Do not crowd the plants. They should have at least 15 inches between the rows and a foot in the rows. See that they get a good watering after being planted and when the hot and dry weather comes don't neglect watering. To make the plants husky they should be pinched back two or three times during their stay in the field. If wanted in flower for the holidays don't pinch any after the middle of August and lift by the first week in September. Cultivating should be done every week to keep the soil mellow and especially during dry weather to keep the moisture in the soil.

## Care of Young Primulas

Never give them a chance to get a check by being pot bound but keep shifting on into larger pots until their flowering size is reached. From a four-inch pot up they like a rich soil, and there is nothing better than good fibrous loam three parts, cow manure and leaf mold one part each. They should always have a cool bottom to stand on; there is nothing better than ashes for this purpose which can always be kept damp and cool. Grow them as cool as possible during the summer. From the first of June until the last of August they are better under a shade of building laths which can be put on as the sun begins to get strong in the morning and taken off late in the afternoon. Go over the frames two or three times a day, giving attention to watering and syringing. Give plenty of room between the plants.

## Ericas

Most of the species have now done flowering and the next move is a severe cutting back of the plants. This should be done before the new growth starts too much. All the long canes and the old wood are cut away, merely leaving short stumps of one or two inches in length. Some of the soil is taken off and the plants go into new pots, which should be more wide than deep, like azalea pots. Plenty of drainage material should be placed in the bottoms. I have found well-fibred turf-like sandy soil, six months old, roughly broken up and mixed with a goodly quantity of spent hot-bed manure to be the best soil. Climatic conditions in most sections of

this country make erica culture difficult and risky. We have neither the soil nor the humid atmosphere in which they delight. Frequent syringing is essential, but in watering great care should be taken not to overdo it, or to let them become too dry at the roots as both have their bad points.

## Feeding Orchids

Terrestrial orchids such as symbidiums, cypripediums, calanthes, pleiones, phaius, etc., will benefit in foliage and flower from an application of weak liquid manure water—that is, where they have plenty of working roots. It has now become well known that judicious feeding from now on will give these plants renewed vigor. For epiphytal orchids the Cookson formula would be better. This can be made with potassium nitrate three ounces and ammonia phosphate two ounces. Mix well together and place in a three gallon jar of water. When applying use one ounce of this mixture to a gallon of water about every ten days. All orchids will want plenty of moisture in the air from this out. Give them a spraying overhead in the mornings and right after dinner. Keep them clean by sponging occasionally.

## Hydrangeas for Next Year

If hydrangeas have not been already propagated this should be done without delay. They will require twice the care as those that were done early. Take strong cuttings, leaving two or three joints to each one and trim the foliage up somewhat. Keep well shaded and moist for about four weeks and they should root without any trouble. When they have made roots about half an inch long get them out of the sand and pot them in 3-inch pots using fibrous loam three parts and well-decayed cow manure one part. Pot firmly and place outside in a frame and shade for three or four days, when they should stand full sun. Shift next into 5-inch pots, using a rich mixture. Keep well watered and syringed until the fall.

## Start Cultivation

From this out keep the cultivator agoing once a week, if not twice a week. It will save a whole lot of labor later on, as well as being good for every crop grown outside. Putting off this work until crops are choked with weeds and also the surface of the ground all baked up makes it very hard to grow good crops, so cultivate now and often.

Next Week:—Miltonias; Preparing Compost for Carnations; Propagating Begonias; Poinsettias; Stock for Winter Flowering; Planting out Stevias.

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Our duty  
 towards  
 Houston

As in several previous issues, we present on another page in this number a street view in the city of Houston, Texas, and shall have other characteristic scenes frequently from now on until convention time next August. There are many excellent arguments in favor of this S. A. F. meeting in what is, to the great majority of S. A. F. members, a far-south southern city. While of course a very may have had to doubt the wisdom of going so far away from the centre of membership and horticultural activity in two consecutive years, that is now a dead issue. The one duty now for everybody interested in

horticultural progress and in the organization which is its foremost exponent, is to do all that is possible towards assuring the success of the Houston Convention. That is what *Horticulture*, as the paper most remote from the convention city, will endeavor to do and our columns are open for any and all matter conducive to that end during the coming weeks.

What  
 Houston has  
 a right to expect

Houston's opportunity and the Society's obligation, in this important and far-reaching event is to open to the people of the great Southland with an adequate realization of their horticultural advantages and possibilities. In the present chaotic state of affairs in those European countries from which so much of our horticultural material has hitherto been procured, Texas with her vast area and great variety of soil and climate has within her reach an opportunity in the realm of ornamental horticulture fully equal to that in the way of fruit and vegetable production to which her people have already begun to awaken. This, it seems to us, is the direction in which the florists of the Southwest, who will undoubtedly form the majority of the attendance, can make the best use of this great convention privilege which comes but rarely to any city. It would be a pity to use up the time and energy of an occasion so fortuitous in debates on matters more connected with the politics of the Society than with the vital horticultural welfare of the great community which has the right to expect so much from this visit of the national Society. On the other hand it would be equally a mistake, from the standpoint of the Society, to rush through without serious discussion the various proposed constitutional changes slated by the Executive Board for action this year. If all these matters relating solely to the internal functions of the organization could only be tabled until some future occasion so that the Society's avowed mission to the South might have full right of way, it would, in our humble opinion, be for the good of all concerned.

Seed  
 purity and  
 philanthropy

As we read the communication from W. W. Tracy which appears in another column of this paper we are impressed by the fact that no business in this country is more investigated, inquired into and held up than the seed business. The average seed buyer today wants the seedsman to be a philanthropist. He must make all sorts of sacrifices for years to get his seed to his customers 100 per cent. germination, 100 per cent. purity of type—this he is expected to do regardless of season, unfavorable harvests and other conditions entirely beyond his control, and yet to sell his wares which he turns once a year on a margin of profit as narrow as that made by the grocer who turns over his stock and capital in each one of the fifty-two weeks of the year. Mr. Tracy mentions that planters for the market demand that at least 90 per cent. of the plants from seed of a specified variety shall produce true to type, but there are plenty of buyers who will kick up a protest if they find 1 per cent. of inferior mixture. Unquestionably varietal purity is a quality of far greater importance than high germination percentage, but the market gardener is not willing to pay the price but expects to buy the refined article at a figure away below what it costs to produce it, and in the case of corn, for instance, below the wholesale price which the seedsman is obliged to pay for such carefully grown seed.

## THE TRUTH REGARDING CALIFORNIA.

The settlers of California wear corns and they are tender and you must be careful how you step on them. There are "pros and cons" to every state and climate. There are those who are glad to have you give the "pros," but don't say anything about the "cons."

Southern California has probably the most delightful climate in the United States. Los Angeles is the magic city. She came into being when science and invention threw their treasures into her lap. It is the best paved city in the world. Many of her streets seem to be planed and sandpapered. Many parts of the city are of almost matchless beauty. The laurel, rubber, magnolia, and the large family of the palms, make splendid parks and delightful shade. Roses do well, except in winter when in many places they present a bedraggled appearance. We spent days riding through the city and the surrounding country. It seemed a land Elysian and much more attractive than shoveling snow at 20 below.

And yet paradise is a little further on. We were marooned in the beautiful city of Escondido—situated in one of the most charming valleys in America. I told the people there that with all the premiums they claimed they ought to get one on their weather, for they could raise more of it to the acre than anywhere on earth. People think they have a mild climate and build and dress accordingly. The fact is, we suffered much more from the cold than we ever did in our home in Nebraska. We hired a fair cottage of five rooms and in six weeks burned a cord and a half of wood, and had to keep up a fire every day, and then suffered with the cold. During that time we had eight frosts and about as many more nights it came as near frost as it dared to. I have seen the mercury 20 in the morning and 80 at 2 o'clock the same day. There you have four seasons packed in the 24 hours and you must change your clothes or suffer.

Many people have made money out of land and oranges, but a man who buys an orange orchard who knows nothing about it had better hide when the fool killer comes around. The amount of navel oranges grown is something enormous. They flood the market and often there is loss. My sons bought forty acres in an inland valley, where the mercury is 120 in summer and that hurries up the oranges for the holiday trade and nets them a fine sum. Then they planted a grove of Valencias in a good location. These oranges mature in August when oranges are scarce. But it takes no end of care to raise oranges. It won't do to neglect them. They can't take care of themselves. They must be duly fertilized and watered. I noticed thousands of smudge pots through the orchards. When the mercury drops you can have the privilege of sitting up

## ASTER VIMINEUS STAR SHOWER.



ASTER VIMINEUS STAR SHOWER.

There are over two hundred recognized species of hardy asters and three hundred and fifty or more have been described as such. The majority of them are natives of North America. Numerous varieties of garden origin are also listed. Under the name of Michaelmas Daisies, these asters are extremely popular for garden planting abroad, but in this country they do not

receive the full appreciation which they merit, doubtless because of their great abundance in a wild state. Some of the hybrids and varieties are handsome improvements in color, form and abundance of bloom. Our illustration shows one of the best, which is well-named Star Shower. It is from a photograph taken at Mt. Desert Nurseries, Bar Harbor, Me.

nights to watch Jack Frost and then perhaps the old rascal can sneak in and defeat you. Eternal vigilance is the price of oranges. Then the markets are uncertain and sometimes your crop don't pay expenses. Many raise fruit with no assurance of market. One man in Escondido had a beautiful lot of peaches and let whole wagon loads go to waste for lack of a market.

California is a land of extremes—tremendous floods and prolonged drouths; sometimes there are tremendous rains, and always they are unprecedented—never heard of before. But 25 years ago a friend went there. I asked him how he liked the country. He said it was a land of floods, so wet you might throw out a blanket anywhere and it would mire down. Railroads washed away and land slides—wherever they could slide. Well we had a taste of the flood. How it rained in some valleys! The dams went out and Jamestown was repeated. Houses, barns, cattle, horses, pigs and fences were swept out into the ocean. An eye witness told me he saw thousands of rattle snakes washed down from the mountains, floating in San Diego bay—probably his imagination was a little too vivid.

It is possible that the San Diego Exposition will be perpetual. The grounds are splendid and the best taste and art were displayed in laying them out. The buildings are fine. The exhibits of the early days and of Southern and Central America are unique. One building which gives a representation of Indian arts is very interesting. The hotels are fine and they know how to treat strangers. We stopped at the Knickerbocker, which is in the center of the street car

system. The proprietor said, "My sons can attend at the desk and I attend to the guests." We wanted to go to the exposition. He took us out to the track. "We will wait for car No. 6." He saw us safely aboard. One day we wanted to go out three miles away. Said he, "I will show you; take car No. 2," and he saw us safely aboard. So when you go to the exposition, summer or winter, you will find The Knickerbocker autobuss waiting for you. Get into it and you can feel at home—assured you will be taken care of. Many of the attractions of the San Francisco Fair have been taken down to San Diego and those who could not go last year can do so this year. San Diego is on the ocean and you have an ideal climate in summer or winter.

C. S. HARRISON, York, Nebr.

## FORSYTHIA INTERMEDIA SPECIABILIS.

Our cover picture this week very inadequately illustrates the most beautiful of all the Forsythias, as it bloomed this spring in the Forsythia collection in the Arnold Arboretum. Color value and effect in a photograph of a bright yellow subject cannot be adequately brought out in the absence of a strong dark background. The superiority of this hybrid (*F. intermedia* is a hybrid between *F. suspensa* and *F. viridissima*) above any the Arboretum plantation this spring was so marked in its rich profusion of bloom that the rest looked commonplace in comparison. Nurserymen should prepare a big stock of *Forsythia intermedia specabilis* for the call that is sure to come as soon as the public know about it.

## CLUBS AND SOCIETIES

### CONNECTICUT HORTICULTURAL SOCIETY.

The Society held its annual convention at the Hotel in the month of May. The program of the evening of the 20th. Warren S. Mason and H. R. Hurd made fine exhibits of tulips and they were awarded cash prizes and certificates.

Mr. John H. Popp, president, the Ladies' Garden Club of Hartford, outlined the doings and plans of this new organization. An interesting paper entitled "Notes on the Dahlia," by P. W. Popp, was read by the secretary.

Plans for the June Flower Show to be held on the 27-28 are progressing favorably. Four additional special prizes were announced.

ALFRED DIXON, Sec'y.

### NURSERYMEN'S CONVENTION

E. S. Osborne of the Charlton Nursery Company is endeavoring to arrange for a special train to run out of Rochester to Milwaukee, with the expectation of securing a company of at least one hundred persons. He hopes to arrange for one or more sleeping cars to leave Boston in ample time to be hitched on to the Nurserymen's Special at Rochester, and which will pick up the different nurserymen east of Rochester. In this way he expects to get enough members and their friends to make up the special. These interested should write Mr. Osborne at No. 448 Cutler Building, Rochester, N. Y.

### MISSOURI STATE FLORISTS' ASSOCIATION.

This latest addition to the rapidly increasing number of florists' organizations had its birth at Columbia, Mo., last week under promising auspices. Quite a good number were in attendance and organization was duly perfected. G. A. Kaupp of Nevada, Mo., being chosen president; Edwin Denker, St. Charles, vice-president, W. S. Wells, St. Louis, secretary and C. C. Sanders, Clayton, treasurer. The University people extended a royal welcome and entertainment to the visitors, all of whom were highly elated by the good start which had been made.

### ST. LOUIS CLUB AND SOCIETY MEETINGS FOR JUNE.

June 8th, the St. Louis Florist Club will hold its 30th anniversary meeting at Pilchers' Place in Kirkwood.

June 7th, the County Growers' Association will hold their monthly meeting at the Eleven Mile House.

The Lady Florists' Home Circle will meet at Mrs. H. G. Bernings' home, 4211 Westminister Place, Wednesday, June 14th.

The Retail Florists' Association June 19 at the Mission Inn Garden.

The Gardeners' Union of Lewiston and Auburn, Me., held their first spring exhibit at the Chamberlain school, Auburn, on the evening of May 26. The floral displays were very beautiful.

### Meetings Next Week

Monday, June 5.

Connecticut Horticultural Society, Hartford, Conn. 8 P. M. H. R. Hurd, Sec'y.  
Horticultural Society, New York City, N. Y. 8 P. M. H. R. Hurd, Sec'y.  
Massachusetts Horticultural Society, Boston, Mass. 8 P. M. H. R. Hurd, Sec'y.  
New England Horticultural Society, New York City, N. Y. 8 P. M. H. R. Hurd, Sec'y.  
Washington Horticultural Society, Washington, D. C. 8 P. M. H. R. Hurd, Sec'y.

Tuesday, June 6.

Florists and Gardeners Club of Holyoke and Northampton, Mass. 8 P. M. H. R. Hurd, Sec'y.  
Lake Geneva Gardeners and Florists Association, Lake Geneva, Wis. 8 P. M. H. R. Hurd, Sec'y.  
Los Angeles County Horticultural Society, Los Angeles, Calif. 8 P. M. H. R. Hurd, Sec'y.  
Paterson Horticultural Society, Paterson, N. J. 8 P. M. H. R. Hurd, Sec'y.  
Florists' Club of Philadelphia, Philadelphia, Pa. 8 P. M. H. R. Hurd, Sec'y.  
Pittsburgh Florists and Gardeners Club, Pittsburgh, Pa. 8 P. M. H. R. Hurd, Sec'y.

Wednesday, June 7.

Tuxedo Horticultural Society, Tuxedo Park, N. J. 8 P. M. H. R. Hurd, Sec'y.

Thursday, June 8.

Mendo Park Horticultural Society, Mendo Park, Calif. 8 P. M. H. R. Hurd, Sec'y.

Friday, June 9.

Connecticut Horticultural Society, County Bldg., Hartford, Conn. 8 P. M. H. R. Hurd, Sec'y.  
Westchester and Fairfield Horticultural Society, Doran's Hall, Greenwich, Conn. 8 P. M. H. R. Hurd, Sec'y.

Saturday, June 10.

Dobbs Ferry Gardeners' Association, Dobbs Ferry, N. Y. 8 P. M. H. R. Hurd, Sec'y.

### COMING EXHIBITIONS.

June 9-10, San Francisco. American Sweet Pea Society, Palace Hotel.

June 9-10, New York City. American Peony Society, Meeting and Exhibition, American Museum Natural History.

June 10-11, Boston.—Peony Exhibition, Massachusetts Horticultural Society, Horticultural Hall.

June 13, Oyster Bay, L. I., N. Y.—Rose Show, Oyster Bay Horticultural Society.

June 16, Providence, R. I.—Summer Show of Rhode Island Horticultural Society.

June 16-17, Mamaroneck, N. Y.—Summer Show, Westchester and Fairfield Horticultural Society.

June 22, Worcester, Mass.—Rose and Strawberry Exhibition, Worcester Horticultural Society.

June 24-25, Boston, Rose and Strawberry Exhibition, Massachusetts Horticultural Society, Horticultural Hall.

June 27-28, Hartford, Conn.—Summer Show of Connecticut Horticultural Society.

June 28-29, Newport, R. I.—Newport Garden Association and Newport Horticultural Society, on the grounds of the Garden Association.

July 14-15, Bar Harbor, Me.—Annual Show of American Sweet Pea Society.

July 20, Worcester, Mass.—Sweet Pea Exhibition, Worcester Horticultural Society.

August 3, Oyster Bay, L. I., N. Y.—Tulip Show, Oyster Bay Horticultural Society.

August 11-12-13, Boston.—American Gladiolus Society, Horticultural Hall.

August 24, Worcester, Mass.—Gladiolus Exhibition.

Sept. 24, Cleveland, Ohio.—Industrial Exhibition and Fair.

Sept. 12-13, Providence, R. I.—Rhode Island Horticultural Society, Narragansett Hotel.

### NASSAU COUNTY HORTICULTURAL SOCIETY.

The Tulp Show held by this society at Glen Cove, N. Y. on May 15, brought forth a magnificent display of flowers, although Cottage, Breeder and Potted were also well represented. Almost every class was very keenly contested and the judges had a rather difficult task. John F. Johnson, gardener to George D. Pratt, Forest We take, gardener for William H. Porter and Henry Gaut, gardener for Herbert L. Pratt were the principal prize winners. Cultural certificates were awarded to Geo. D. Pratt for salpiglossis and clarkia and to S. D. Brewster for gladioli. Honorable mention to G. D. Pratt for gypsophila. Special mention to S. D. Brewster for myosotis and W. H. Porter for tulips.

JAMES MCCARTHY, Cor. Sec'y.

The fourth annual field day of the Massachusetts Forestry Association will be held on Thursday, June 15, 1916, in Springfield. The Springfield branch of the Massachusetts Forestry Association, the Springfield Board of Trade and the Springfield Automobile Association are the hosts. There will be a tour of the city by automobile, thence by same to Northampton, continuing through Old Hadley to summit of Mt. Holyoke, where short addresses will be made.

Harris A. Reynolds, 4 Joy street, Boston, is the secretary.

### NEWS NOTES.

Williamsport, Pa.—W. J. Evenden's Sons, a new firm composed of Henry L. and Wm. T. Evenden, formerly connected with the Evenden Bros. Co., have bought out the florist business of R. V. Kester at 213 West Fourth street.

Bar Harbor, Me.—John Stalford, proprietor of the Malvern greenhouses, will occupy and run the Moses flower store on Main street during the coming summer. Mr. Moses has been forced to retire on account of poor health, and the business has been taken over by Mr. Stalford. The building is being repaired and remodeled both inside and out.

### VISITORS' REGISTER.

New York—E. G. Hill, Richmond, Ind.

Boston—Charles W. Knight, Oakdale, N. Y.

Cleveland, Ohio—Gerhard Bleicken, Natick, Mass.; E. Gurney Hill, Richmond, Ind.

Philadelphia, Pa.—A. L. Yeager, Allentown, Pa.; A. F. Canfield, Shenandoah, Pa.

Cincinnati—Jos. Hill, Richmond, Ind.; Frank Friedley, Cleveland, O.; Julius Dilloff, New York City.

Pittsburgh, Pa.—H. E. Kerols, representing Climax Mfg. Co., Castorland, N. Y.; Julius Dilloff, New York.

# Why I Should Retain My Membership in American Association of Nurserymen

## To Members of American Association of Nurserymen:

**First.** It is the one organization representative of nurserymen of the United States, the one organization where the interests of all merge.

**Second.** Under the new constitution it is an organization of comprehensive possibilities, organization money co-operation, is provided under the Detroit constitution.

**Third.** While the benefits emanating from the reorganized association will prove beneficial to the nursery interests as a whole, those benefits will be much greater to the membership than to the fellow on the outside. Today, as not heretofore, the troubles of the membership, for instance, along legislative lines, are the Association's troubles, and ample provision has been made for the protection of every member of the Association. Unjust and discriminatory legislation in many states, coupled with the domineering spirit of "ye inspector" oftentimes, has been the nurseryman's "nightmare." Today the Association's flag of protection floats over every member. To feel that the great American Association of Nurserymen is going to demand a square deal for every member, that the troubles of the individual member find a hearty response on the part of the Association, brings a feeling of confidence, protection, and hope, the worth of which is inestimable. To feel one's self a part of a big, intelligent, capable organization inspires hope and confidence.

**Fourth.** It is worth while to be a member of the American Association of Nurserymen because of the possibilities of service to others as well as to one's self. It is building along co-operative lines. There is more real satisfaction in serving than in being served. One man can accomplish little in working alone. Five hundred men, our present membership, can be a power when their energies are directed to a single purpose. Five hundred men unselfishly striving to better conditions in their chosen avocation will bring results. It means a greater volume of business and better profits than formerly. It means better and happier homes for the nurserymen. It means a more intelligent service. It means success.

**Fifth.** It is worth while to be a member of the American Association of Nurserymen from a purely social point of view. One of five hundred of the biggest hearted, biggest brained men in the United States. If there were no other benefits, it is worth the cost to come in contact with the membership of the National Association because "I become a part of every man who comes in contact with me." No man can be satisfied with less than his best who mingles once each year with members of American Association of Nurserymen in convention.

**Sixth.** For these and many other reasons which could be enumerated, it is desirable that every worthy nurseryman in America retain his membership. The small additional cost under the new constitution is infinitesimal, the benefits incomparable. Every member of June, 1915, remains a member by subscribing to the provisions of the new constitution. The Association needs every worthy nurseryman in the United States, and every nurseryman needs the Association. There may be some features of the work which you do not understand. Any member of the executive committee, or the secretary, Mr. Hall, will be glad to enlighten you. There are many reasons why the 1916 convention at Milwaukee should be the greatest meeting ever held. It is most probable that it will be necessary to adopt amendments to constitution and by-laws from time to time. Whatever may be necessary to make this organization the most potent factor in the upbuilding of the nursery interests of America, with patience, with loyalty, and with courage, let us approach the task.

J. R. MAYHEW.

# Something for Nothing

**S**UCCESSFUL trade journals are becoming more than ever averse to giving free copies. The average person does not value something that is thrust upon him without charge. He reasons with exactness that "something for nothing" is unscientific and that gift enterprises have some ulterior motive back of them. Thoughtful business men prefer to subscribe and pay for such literature as they desire and are not likely to read papers that are mailed to them without an order. They have learned that free papers are poor papers.

Then again, by accepting free papers they encourage that class of circulation which must necessarily depreciate the value of the paper itself. The more free circulation, the poorer such journals are bound to be. The right and logical thing to do is to refuse positively to accept papers sent free, but to pay for and read the better class of journals. Such a policy is constructive and aids to the production of better papers and higher class service. Free circulation is destructive in every way.—*Shoe and Leather Reporter.*

Except upon special occasions, HORTICULTURE is not sent to members of the trade who are not advertisers or subscribers. This rule is in the interest of subscribers, who should not be compelled to pay for what others are getting for nothing.

## STREET VIEW IN THE CONVENTION CITY.



A census of the growth and industrial progress of Houston, Texas, in seven years, 1909-1915, and shows the following facts:

Increase in population.....	46,200
Placed 1000 miles city streets	\$ 1,469,260.00
Permanent bridges and viaducts .....	1,208,738.00
Permanent improvements city waterworks .....	794,950.62
106 miles sanitary sewers....	1,059,879.35
34 miles storm sewers.....	1,416,936.81
39 new school buildings erected .....	1,561,347.00
City hall annex and city auditorium .....	577,137.28
Invested in park area.....	515,499.00
Increase in city assessment roll .....	75,271,000.00
15 modern hotels erected.....	5,860,000.00
Wm. M. Rice Institute, permanent improvements .....	2,000,000.00
Wm. M. Rice Institute, permanent improvements, completed eventually (endowment \$10,000,000).....	5,000,000.00
14 churches erected.....	1,400,000.00
Y. M. C. A., hospitals and similar institutions.....	750,000.00
65 apartment houses erected..	2,500,000.00
County court house and federal building erected.....	1,191,000.00
Gross receipts of cotton in 7 years, value.....	1,155,024,380.00
Production in oil in Harris county in 7 years, value....	26,000,000.00
Deposits in national banks, .....	20,000,000.00

The reconstruction of Main street boulevard, five miles in length, is rapidly nearing completion, and assures the city of Houston a strikingly attractive and beautiful boulevard, a tribute of the citizenship of today to

the memories of Wm. M. Rice and Geo. H. Hermann. Mr. Rice bequeathed to posterity the William M. Rice Institute, and Mr. Hermann, likewise, the Geo. H. Hermann Park of 287 acres, and the Geo. H. Hermann Charity Hospital, all located on Main street boulevard.

We give these statistics as a matter of justice to this progressive Texas city, for the information of our readers, especially those who are members of the Society of American Florists, many of whom we feel sure will be rather surprised to learn how rapidly Houston is progressing in everything that appertains to municipal greatness, in hopes that this knowledge, together with additional interesting information which we hope to present from time to time, may perhaps serve as an incentive to some who have not yet made up their minds to take the trip to Texas next August. Considerable has been said as to the duty of the S. A. F. to carry its banner into districts remote from the scenes of its former activities and to shed its benign influence for the uplift of horticulture impartially in every section of our great country. How the S. A. F. may do this and how it might, perhaps, fall short of accomplishing its full purpose in Texas, is considered in an editorial note on page 754 of this issue.

## Obituary

### Michael J. Tobin.

Milford, Mass. Michael J. Tobin, formerly a gardener employed at a greenhouse, died of cancer of the stomach, on Thursday, May 18, at Hyde Park.

### Wm. F. Jones.

William F. Jones, superintendent of the Mishkan Tefila cemetery in Wakefield, Mass., dropped dead in the cemetery on May 26, while talking to Louis E. Carter, superintendent of the Lakeside cemetery, which adjoins. He had been superintendent of the Jewish cemetery for the past 40 years. He leaves two sons and three daughters.

### Herbert J. Palmer.

Lance Corporal Herbert J. Palmer was killed in action (casualty list) while fighting with the Canadian contingent at the front. The news just reached us through his cousin, Albert Jay, of Hingham, Mass. Mr. Palmer was for some time employed as assistant under Charles Sander on the estate of Prof. C. S. Sargent in Brookline and was a member of the Gardeners' and Florists' Club of Boston.

### Mrs. A. J. Simmons.

News of the sudden death of Mrs. A. J. Simmons, 63rd St., Chicago, came as a shock Saturday morning, when word was received in the market that she had passed away apparently in full health. Mrs. Simmons was the practical head of the flower store, Mr. Simmons having been in poor health for some time, and was greatly respected for her business methods as well as for her pleasing personality. Death found her at her post. With the telephone receiver in her hand, she was taking an order about ten o'clock Saturday, May 27th when a customer chanced to see her apparently fainting. She was caught and tenderly laid down, but in that brief instant life had departed. For twenty years Mrs. Simmons had been engaged in the florist business on the south side, and would have been 42 years old on June 10th, invitations being out for celebrating that event. Besides her husband she leaves one daughter Ruth, 18 years old, two sisters and one brother. The funeral was held on Monday, May 29, from Oak Woods chapel and in spite of a downpour of rain, the building was crowded and many could not get inside to pay their last respects to one who was a friend to all and an honor to the florist trade.

### NEW CORPORATIONS.

Syracuse, N. Y.—Russell Bros., four houses, each 40 x 125.

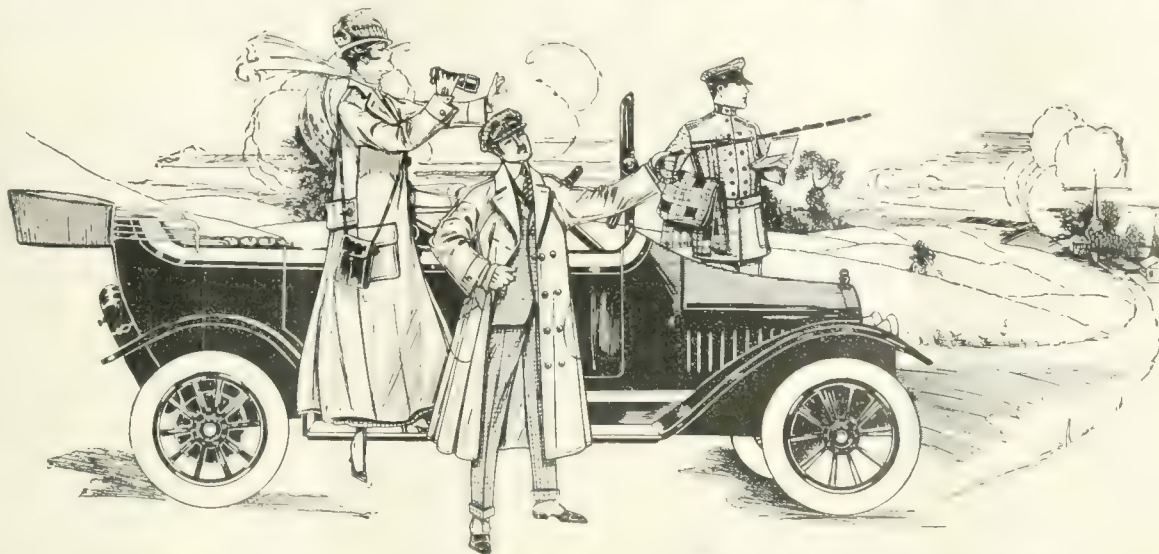
Hartford, Ct.—Hill Floral Co., capital stock \$50,000. Incorporators, A. P. Pitner, J. H. Peck and R. M. Grant.

Streator, Ill.—Thornton Floral Co., capital stock, \$6,000. Incorporators, Fred R., John P. and L. M. Thornton.

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The Women's Coat is made with a full skirt, single breasted, patch pockets, and collar that can be buttoned up close to the neck. It is trimmed with very attractive buttons, and has the belted back.

The Men's coat is made double breasted, side slashed pockets, sleeve tabs, high collar, finished with attractive buttons, and has the belted back.

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## HOW MUCH INSURANCE MONEY IS WASTED.

Readers of these articles know that from time to time I break out with something about the great need of knowing the provisions of an insurance policy and following them. As a matter of fact, these outbreaks are practically all aroused by cases which have been brought to me, wherein somebody has failed in his duty, and is confronting a loss in consequence. It seems so exceedingly plain that any business man paying good money for insurance should know enough to be able to realize upon his investment, if the occasion arises, that I cannot get it through my head that there is the slightest excuse when these things happen.

One of the most expensive forms of insurance is indemnity insurance, such as is carried by firms using delivery wagons, more particularly motor delivery wagons. It is astounding how many men carrying this form of insurance fail to comply with the invariable provision that the company must be immediately notified of the accident if there is one. Every indemnity insurance policy contains this provision, usually in the following language:

Upon the occurrence of an accident the assured shall give immediate notice in writing of said accident with the fullest information then available, to the Company at its home office. If no claim is made on account of such accident, the assured shall give like notice thereof with full particulars.

I was sitting in the office of another attorney only yesterday when a client of his—a large wholesale house—telephoned in about a suit that had apparently just been begun against it. The attorney was inquiring about the facts and after listening for a time said this, which tells the story of another case precisely like those I am discussing: "Did you notify your insurance company when you first heard about the accident?" \* \* \* Well, then, your chance is gone. You're too late now. Didn't you know the policy said the company should be notified right away?" \* \* \* "Well, too bad, but you'll have to stand the brunt of it yourself now."

It was really that which inspired me to write this article, coupled with the fact that an appeal court about the same time handed down a decision in a case of exactly the same kind. In that case the court applied the above provision of an indemnity insurance policy, which is in practically general use throughout the entire United States. One of the delivery teams of a business house had run down and killed a 3-year-old child. The parents sued the driver's employer and recovered heavy damages, about \$2,600.

The employer in turn sued the insurance company in which he had an indemnity policy, to recover the above amount, the company having refused to pay because it was not notified of the accident when the policy said it should be.

I reproduce the following from the court's decision, upholding the insurance company in refusing to pay:

On October 30th, a three-year-old child was accidentally injured by one of the insured teams which was in charge of its driver. The fact of the accident was known the same day by the immediate superior of the driver, a Mr. Clark, who represented the insured in the county where the accident occurred. On January 27th, nearly three months after the date of the accident, the insured was notified by a firm of lawyers that a claim for damages resulting from the accident had been placed in their hands. On April 1st, an action to recover was commenced, and the summons was served on Mr. Clark, the insured's representative, on April 7th. It was not until April 20th that the plaintiff gave to the defendant, at its head office, any information concerning the accident which had occurred on October 30th of the year before, or as to the claim made therefor by the attorneys in January. Counsel for appellant contends that this was not immediate notice, such as was plainly required by the contract. We think his contention is well founded. The provisions regarding the giving of notice to insurance companies upon the happening of an accident are valid and of the essence of the contract, being designed to enable the company to investigate the circumstances of the accident while the matter is yet fresh in the minds of all, and to make timely defense against any claim filed. It was the plain duty of plaintiff to report the accident as soon as it had knowledge of its occurrence.

So that the business house in question was obliged to pay out probably \$3,000, counting attorney's fees and costs, merely because it failed to comply with the simple provision of its policy that when an accident happened, the company which is supposed to pay for it should be immediately notified.

There were some features in this case which show how slip-ups often occur in the giving of notice. It ap-

peared that the man named in the above extract from the opinion, Clark had known of the accident shortly after it happened, but had failed to tell his employer. That often happens. There should be a standing order in all establishments carrying insurance of this character that immediate notice of all accidents must be given to some responsible head whose business it is to look after such things. In this case when Clark was asked why he didn't report the accident, he said: "He did not know he was supposed to, and he thought nothing would come of it."

The business house in question also claimed that it did give notice—to the insurance company's local agents. This, too, often happens, although the policy almost always provides that the notice must be given to the company's head office, as did this policy. Therefore the court said "this was not in compliance with the policy, either as to time or place."

(Copyright, May, 1916, by  
Elton J. Buckley.)

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## SEED TRADE

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Imports of seed only for one week of horticultural material for the week ending May 29 were valued as follows:

Corn—Belgium, \$30; France, \$6; Netherlands, \$113; England, \$144.

Plants, trees, etc.—France, \$1,002; Netherlands, \$8,885; England, \$5308; Ireland, \$5; Bermuda, \$13; Trinidad, \$136; Brazil, \$2,184; Japan, \$215; Colon, \$2,852.

Red clover seed—France, \$9,603; Italy, \$68,873.

Grass seed—Scotland, \$418.

Other seeds—France, \$14,742; Germany, \$360; Italy, \$4,988; Malta, \$8,059; Netherlands, \$29; England, \$42,560; British East Indies, \$1,437; Morocco, \$2,236.

Nitrate of soda—Chile, \$80,144.

### "Titanic" Wheat.

The U. S. Department of Agriculture has recently been advised by a correspondent in California that a variety of wheat is being advertised under the name "Titanic." The assertion is made that it is a new variety of wheat discovered in England about four years ago, and that a small quantity of seed was brought to the United States by one of the survivors of the ill-fated Titanic. The wheat is represented as having extremely high yielding power, the returns reaching as high as 7,000-fold. A photograph sent by this correspondent shows a head identical in appearance with the widely exploited "Alaska" wheat. Five acres of the wheat are said to be growing in the State of Washington, and the seed, it is believed, will be offered at high prices after harvest. The Department has no further or more definite information concerning this variety, but farmers and dealers are cautioned to be on their guard concerning this new exploitation.

### The Wind and the Seed.

After all, the wind is the great sower. Bad seeds and good seeds are sown by the wind—here, there, everywhere! Good seeds are dropped where they cannot grow and bad seeds are sowed where they are not wanted—even amongst the flowers that are so delicate and beautiful.

But it is the whim of the wind to do wanton sowing. Into the wheat is dropped the cockle, and into the park the thorn. The weed does not ask that its seed be harvested for the spring. It leaves them to the wind. It trusts the wandering wind and is not disappointed.

The wheat and the corn rely on other sowers. The good they do when grown guarantees their protection and planting again and again, but the evil done by weeds never condemns them, except to partial destruction. They prosper on negligence and thrive on sloth. They are the rags of beggars that decorate abandonment. They follow and fare with the wind that, like a roving hag, sows them up and down the land wherever Satan walks.

## Better Seed

Of recent years there has been constantly increasing appreciation on the part of seed planters of the importance and the large amount of the seed used. There has been increasing demand, naturally, that seed furnished should be of better quality, better stock and every grain should be of the distinct varietal character of the sort. Planters, particularly those who plant for market, are not satisfied when a planting of Minnesota sweet corn produces a large yield of 8, 10, 12 or 16 rowed ears, but demand that at least 90 per cent. of the plants shall produce only typical ears of the sort. Experienced planters recognize that the varietal character, and often the quantity of the yield, while influenced by local climatic and cultural conditions, is very largely predetermined by the breeding of the seed used, which is rarely clearly revealed by the wisest and most careful inspection of the seed itself.

The planter has to depend as blindly upon his seedsman in the character of the seed furnished as the physician does upon his druggist. The doctor may be mistaken as to the effectiveness of a drug ordered for a certain case, but common sense and the law sustain him in his demand that, if the druggist undertakes to fill the prescription, he shall fill it as it was ordered, and not by substituting something else which he has heard and believes is as good or better. The planter has a similar right to expect to receive the exact variety of seed he ordered, quite independent of the seedsman's opinion of its comparative merit.

A horticultural variety propagated by seed is made up of an infinitude of individuals, each carrying a potentiality of variation, and seed is valuable in proportion to which every undesirable variation, be it ever so trifling, is cut out from the line of probable transmission, so that the stock becomes uniform in varietal character.

The call from garden and farm is not so much for new and improved varieties, as for truer stocks of old sorts of proven merit, and the seedsman who can offer such stock is going to get the trade rather than the one who relies upon newer sorts or lower prices.

*Wm. W. Tracy*

Washington, D. C.

And I cannot say nor surmise why the wind is such a sower of bad seed, nor why the whirlwind scatters them afar. A slattern with red tongue and lips black with libel could not so slander broad and fertile acres.

And, with infinite mischief and sinister design it rots the noble oak with poison vines and chokes old temples with lush leaves and rank growth.

"Sow the wind, and riot in destruc-

tion," comes the piping, shrill, discordant voice as it drags its drabbed skirts across the land and swishes them into the salt seas.

It sets thistles in pastures, fennels in plowed fields, vetches in rose gardens, traitors amongst friends, and a Judas at the feast.—*Anonymous.*

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## LITTLE ADS. BRING BIG RETURNS

Little ads. in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost. Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

**They Cost Only One Cent a Word  
Undisplayed**

## Thorburn's GLADIOLUS

Various Choice Mixed  
Varieties

See our Florists' Catalogue and ask for special prices.

**J. M. THORBURN & CO.,**  
53 Barclay St., New York

## FOR GLADIOLUS

PENDLETON,  
HALLEY, Etc.

**Send to Childs**  
**John Lewis Childs, Inc.**

FLOWERFIELD, L. I., NEW YORK

**J. BOLGIANO & SON**  
**WHOLESALE FIELD AND GARDEN SEEDS**  
Established 1818

Write For Our Low Prices

**LIGHT, PRATT and ELLICOTT STS.**  
**BALTIMORE, MD.**

## MIGNONETTE

IMPROVED ECLIPSE.

Superior to all others for winter blooming, exhibition, or cutting. Immense fragrant spikes 10 to 15 inches long. Greenhouse grown seed from a re-selected strain. Pkt. 25c., 1/16 oz. \$1.00. Catalogue upon application.

**THOMAS J. GREY CO., Seedsmen**  
29 So. Market St., Boston, Mass.

## BURNETT BROTHERS

Importers and Growers of

**SEEDS, BULBS, PLANTS, &c.**

98 Chambers Street, New York

**JAMES VICK'S SONS**

**Seedsmen, Nurserymen,**  
**Florists**

**ROCHESTER, N. Y.**

**ALEX. McCONNELL**

611 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

*Best of all being foreign flowers  
Made to order*

Reference or cash must accompany all orders from unknown correspondents.

Cable Address, ALEXCONNELL.

**For KANSAS CITY**

Transfer Your Orders to

**SAMUEL MURRAY**

1017 Grand Avenue

Members Florists' Telegraph Delivery

Orders for New York. Write or Phone to

**MAX SCHLING**

22 West 59th Street, Adjoining Plaza Hotel

Best Florists in the States as References.

EUROPEAN ORDERS EXECUTED.  
Members of the Florists' Telegraph Delivery.

**The Park Floral Co.**

J. A. VALENTINE, Pres.

Members Florists' Telegraph Delivery.

**DENVER, COLORADO****DAVID CLARKE'S SONS**

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or Telegraph

2139-2141 Broadway, New York  
Telephone 1552-1553 Columbus

**YOUNG & NUGENT**

42 West 28 Street  
New York

Members Florists' Telegraph Delivery

**G. E. M. STUMPP**

761 Fifth Ave.

NEW YORK CITY

Member Florists' Telegraph Delivery Asso.

**WORCESTER, MASS.**

Randall's Flower Shop

HARRY L. RANDALL, Proprietor.

Member Florists' Telegraph Delivery Association

**Of Interest to Retail Florists**

NEW FLOWER STORES.

Stevens Point, Wis. Charles Helm

Richmond Hill, N. Y. August Millang

Chautauqua, N. Y. Lawrence A. Whitford

Birmingham, Ala.—McVay Seed & Floral Co.

Salamanca, N. Y. M. M. Dye, 74 Main street

Knoxville, Tenn.—A. H. Dailey, 517 Market street.

Wilkesbarre, Pa.—Banks & Rogers, 45 Montgomery street.

Ironwood, Mich.—Thomas Stangway, 316 McLeod avenue.

Astoria, N. Y. F. Koller, 180 Main street, succeeding Chas. Arnold.

Providence, R. I.—Empire Floral Co. 71 Empire street, John J. Powers, prop.

**BUSINESS TROUBLES.**

Norfolk, Va.—Art Floral Co., voluntary petition in bankruptcy, assets, \$1,198.86. liabilities, \$2,468.50.

A voluntary petition in bankruptcy was filed on May 24 by Harry Van Ness, a florist, of 613 Mill street, Belleville, N. J. in the Newark branch of the United States District Court. He estimated his liabilities to be \$891 and assets at \$352. Exemption is claimed for \$200 of the assets. The case was referred to Referee George W. W. Porter.

**NEWS NOTES**

West Bend, Wis.—Ziegler & Warnkey have sold their greenhouses and business to Harrison Ashman.

Cleveland, O.—Thomas Lisy has purchased the greenhouse range of Henry Taylor, 4141 East 116th street.

Cheyenne, Wyo.—The Swayger Greenhouses, Randall avenue, have been purchased by G. M. Couch and wife.

**WHY**

*Jinn* The Florist ?  
4 Park St., Boston, Mass.

Because Satisfaction  
Is Guaranteed

Established 1874

**DARDS**

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City  
(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address DardsFlor

**JOHN BREITMEYER'S SONS**

Cor. Broadway and Gratiot Aves.  
DETROIT, MICH.

Artistic Designs . . .  
High Grade Cut Blooms

We cover all Michigan points and good sections of Ohio, Indiana and Canada. Members Florists' Telegraph Delivery Association.



GUIDE BROS. CO.  
420 E. ST. N.  
WASHINGTON, D. C.

WASHINGTON, D. C.

Member Florists Telegraph Delivery

**IN THE National Capital**

At your service to deliver Flowers or Designs on Order by Telegraph or otherwise. Prompt Reliable Service.

**GEORGE H. COOKE**

Connecticut Ave. and L St.  
WASHINGTON, D. C.

Rochester, N. Y.

**I. B. KELLER SONS, FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2280  
Members Florists Telegraph Delivery

**"THE HOME OF FLOWERS"**

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated  
ST. PAUL, MINN.

**THE ROSERY**

23 STEUBEN ST.

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY AND VICINITY

Members Florists' Telegraph Delivery

**A. T. BUNYARD NEW YORK**

413 Madison Avenue at 48th Street.

WE GUARANTEE SATISFACTION  
MEMBER F. T. D. A.

# CHICAGO Send Your Orders to WILLIAM J. SMYTH

Member Florists' Telegraph  
Delivery Association

Michigan Ave. at 31st Street

Prompt Auto Delivery  
Service

**THOS. F. GALVIN**  
INC.  
**NEW YORK** 561 Fifth Ave.  
Vanderbilt Hotel  
**BOSTON** 1 Park Street  
799 Boylston Street  
Deliveries to Steamers and all Eastern Ports

## CLEVELAND

**A. GRAHAM & SON**  
5523 Euclid Ave.  
Will take good care of your orders  
Members of F. T. D. Association.

## WASHINGTON

915 F ST. N. W.  
**F. H. KRAMER**  
Auto delivery of Designs and Flowers to  
any address in Washington.  
Stock and Work First Class

Orders Filled Day or Night for  
**CLEVELAND**  
and State of Ohio  
Complete Stock. Regular discount to Trade.  
**KNOBLE BROS.**  
1836 W. 26th St., Cleveland, O.  
Members Florists' Telegraph Delivery Ass'n.

**THE SMITH & FETTERS CO.**  
735 Euclid Avenue  
**CLEVELAND, OHIO**  
Flowers of Every Kind in Season

**SALTER BROS.**  
FLORISTS  
38 Main Street, West  
**ROCHESTER, - N. Y.**

**HESS & SWOBODA**  
FLORISTS  
Telephones 1501 and L 1832.  
1415 Farnum St.,  
**OMAHA, NEB.**

**S. A. ANDERSON**  
440 Main St., Buffalo, N. Y.  
ANDERSON service means fresh, sturdy  
stock and prompt deliveries in BUFFALO,  
LOOKPORT, NIAGARA FALLS and  
WESTERN NEW YORK.  
Members of Florists' Telegraph Delivery.

**KERR** ORDERS FOR TEXAS  
HOUSTON, TEXAS  
The Florist Member F. T. D. Association

## IN THE HEART OF THE COMMONWEALTH

Centrally Located for Deliveries in All Parts of New England.

**H. F. A. LANGE**

125,000 Sq. Ft. of Glass  
WORCESTER, MASS.

## Flowers by Telegraph

Leading Retail Florists Listed by  
Towns for Ready Reference. Orders  
transferred by telegram or otherwise  
to any of the firms whose address is  
here given will be promptly and prop-  
erly filled and delivered.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl  
St.  
Albany, N. Y.—The Rosery, 23 Steuben  
St.  
Albany, N. Y.—William C. Gloeckner, 97  
State St.  
Boston—Thos. F. Galvin, 1 Park St.  
Boston—Penn the Florist, 124 Tremont  
St.  
Boston—Zinn the Florist, 4 Park St.  
Buffalo, N. Y.—S. A. Anderson, 440 Main  
St.  
Buffalo, N. Y.—Palmer's, 304 Main St.  
Chicago—William J. Smyth, Michigan  
Ave. and 31st St.  
Cleveland, O.—J. M. Gasser Co., Euclid  
Ave.  
Cleveland, O.—Adam Graham & Sons,  
5523 Euclid Ave.  
Cleveland, O.—Knoble Bros., 1836 W. 25th  
St.  
Cleveland, O.—The Smith & Feters Co.,  
735 Euclid Ave.  
Denver, Col.—Park Floral Co., 1643  
Broadway.  
Detroit, Mich.—J. Breitmeyer's Sons,  
corner Broadway and Gratiot Ave.  
Houston, Tex.—Kerr, The Florist.  
Kansas City, Mo.—Samuel Murray, 1017  
Grand Ave.  
New London, Conn.—Reuter's.  
New York—David Clarke's Sons, 2139-  
2141 Broadway.  
New York—Alex. McConnell, 611 5th Ave.  
New York—Young & Nugent, 42 W. 28th.  
New York—Dards, N. E. corner 44th St.  
and Madison Ave.  
New York—Max Schling, 22 W. 59th St.  
New York—G. E. M. Stumpp, 761 Fifth  
Ave.  
New York—Thos. F. Galvin, Fifth Ave.,  
at 46th St.  
New York—A. T. Bunyard, 413 Madison  
Ave., at 48th St.  
Norwich, Conn.—Reuter's.  
Omaha, Neb.—Hess & Swoboda, 1415  
Farnum St.  
Rochester, N. Y.—J. B. Keller Sons, 25  
Clinton Ave., N.  
Rochester, N. Y.—Salter Bros., 38 Main  
St., West.  
San Francisco—Pellicano, Rossi & Co., 123  
Kearny St.  
St. Louis, Mo.—Fred C. Weber, 4326-28  
Olive St.  
St. Paul, Minn.—Holm & Olson, Inc.  
Tarrytown-on-Hudson, N. Y.—F. R. Pier-  
son Co.  
Toronto, Can.—J. H. Dunlop, 8-10 West  
Adelaide St.  
Washington, D. C.—Gude Bros., 1214 F  
St.  
Washington, D. C.—F. H. Kramer, 915  
F St., N. W.  
Washington, D. C.—George H. Cooke,  
Connecticut Ave. and L St.  
Westerly, R. I.—Reuter's.  
Worcester, Mass.—H. F. A. Lange.  
Worcester, Mass.—Randall's Flower Shop,  
3 Pleasant St.

*Penn The Florist*

"The Telegraph Florist"

Member of Florists' Telegraph Delivery

124 Tremont St., BOSTON

**REUTER'S** Members Florists' Telegraph Delivery

STORES IN

New London and Norwich, Conn.  
and Westerly, R. I.

We cover the territory between  
New Haven and Providence  
**ST. LOUIS, MO.**

**FRED C. WEBER**  
4326-28 Olive St.

Member Florists' Telegraph Delivery Association  
NOTICE INITIALS. We have one store only

**THE J. M. GASSER COMPANY,**

**CLEVELAND**

Euclid Avenue

The Far-Famed Flowers of  
**TORONTO**

Delivered on mail or telegraph order for  
any occasion, in any part of the Dominion.

**JOHN H. DUNLOP**  
8-10 West Adelaide St. - TORONTO, ONT.

ALBANY, N. Y.

**EYRES**  
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER  
11 NORTH PEARL STREET, ALBANY, N. Y.



## NEWS ITEMS FROM EVERYWHERE

### BOSTON.

*Mr. J. Lally, florist, died at his home in Boston, Mass., of typhoid fever, at the age of 45.*

Boston florists will be sorry to learn that Martin Lally, who was reported to be in with a cold last week, has contracted a severe case of typhoid fever and will probably not resume his duties for some time.

One of the features of the preparedness parade on Saturday, 27th, was the gigantic float decorated by William Penn. Carnations of all colors were used and the result was striking, especially as it was the only floral float in the entire parade.

A deer, which probably wandered from the Middlesex Fells, jumped through the greenhouse roof owned by Kamerana, a Japanese florist at North Cambridge, at 6.40 A. M. last Wednesday, and did considerable damage to the plants. The animal managed to elude pursuers and escaped.

The lilac display at the Arnold Arboretum has been the mecca for throngs of admiring visitors during the past week. Not alone at the Arboretum, but all over this section the lilacs have bloomed this season with an exuberance rarely attained. Their perfection and abundance while many other plants have done so poorly is one of the remarkable features of this unusual season.

A. R. Hutson, foreman at W. H. Ellett's greenhouses in Brighton has just received information of the killing of his aunt and her two children together with seven other members of the household by bombs dropped from a German Zeppelin upon their home, which was located in the coast district of England about ten miles inland from Brighton. Although the fatality occurred nearly six months ago the news never reached Mr. Hutson until now.

### PHILADELPHIA.

Jos. A. Heacock, of the Joseph Heacock Co., the well known growers of palms and orchids at Wyncote, Pa., has been nominated on the Democratic ticket to represent the 8th District in Congress. The election was very close, Mr. Heacock winning over his opponent by 46 majority. We trust Mr. Heacock will make as successful a congressman as he is a florist, in which case all precedents of congressional records will be upset.

### FLOWERS BY TELEGRAPH

**SAN FRANCISCO**  
CALIFORNIA  
**Pelicano, Rossl & Co.**  
126 KEARNY ST.

### CHICAGO.

*Mr. M. J. Lally, florist, died at his home in Chicago, Ill., of typhoid fever, at the age of 45.*

whose obituary appears on another page. CHICAGO has lost one of its most capable florists. Busy as she was she always had time for the little courtesies of life and many a flower was handed over the counter to help make life brighter for some one. On Mother's Day, one of her friends relates that Mrs. Simmons remembered with a small bouquet every aged mother in her vicinity. It was typical of the woman that she died at the telephone with her last order on her lips.

Chicago "Kidlets" will have one great nature lover, Jens Jenson, to thank if they have two more holidays, the object of which will be to study and learn to love the great outdoors as seen outside of Chicago. Mr. Jenson has made this plea to the school board and has backed up his idea by statements of his recollections of such days in his own childhood and the effect they have had on his life. Mr. Jenson is a well-known landscape architect much sought as a public speaker as well as in his regular profession.

The strike of the express drivers and some other employees of the express companies continues to interfere with the prompt shipment of flowers from this market, but the trouble has been very light compared to what had been feared. All packages are obliged to be delivered to the depot by the senders and this is all arranged for under the management of Fred Lautenschlager, and the majority of the stock has been promptly placed aboard the cars. Other shipments have been delivered to outside points and caught the express trains there. It is expected that the strike will be over before another week.

### IN THE SPRING.

Have you seen an apple orchard  
In the spring, in the spring?  
An English apple-orchard in the spring?  
When the spreading trees are hoary,  
With their wealth of promised glory,  
And the rooks' pipes, 'ho, ho, ho' in the spring?

Have you walked beneath the blossoms  
In the spring, in the spring?  
Beneath the apple-blossoms in the spring?  
When the pink cascades were falling,  
And the silver brooklets bawling  
And the cuckoo bird is calling  
In the spring?

Have you seen a merry bridal  
In the spring, in the spring?  
In an English apple-country in the spring?  
When the brides and maidens wear  
Apple-blossoms in their hair,  
Apple-blossoms everywhere  
In the spring?

If you have not, then you know not,  
In the spring, in the spring.  
Half the color, beauty, wonder of the spring.  
No sight can I remember  
Half so precious, half so tender  
As the apple-blossoms render  
In the spring.

—William W. Martin.

### NEW YORK

*Henry Schurmann of Schurmann has been divorced and ordered to pay alimony to Mrs. Schurmann, but he has the honor of being heralded as "a wealthy florist" in the paper, which is quite an offset. "Wealthy florist" comes as naturally to the newspaperman as "beautiful bride," "talented musician" or "learned judge."*

The S. S. New Amsterdam, of the Holland-America Line, for Rotterdam, which sailed from New York on Monday, P. M., May 29, carried a big list of Dutch salesmen who have been canvassing this country for several weeks on plant and bulb import orders for next season. Almost simultaneous with the departure of these salesmen, special reduced price lists have begun to arrive.

J. B. G. Rinehart, a well-known lawyer and politician of this city has been arrested on a charge of theft preferred by Frederick Bauer, a man of 81, who for sixty years has conducted a florist business at 207 Metropolitan Avenue, Brooklyn, opposite Evergreen Cemetery. Bauer's complaint accuses the lawyer of swindling him by pretending to invest money for him, the amount in question being \$18,000.

### CATALOGUES RECEIVED.

D. Hill Nursery Co., Dundee, Ill.—Special Advance Prices on Azaleas, Araucarias, Lily Bulbs, etc.

McHuchison & Co., New York City.—Special Price List of Schaum & Van Tol, Boskoop, Holland, Roses, Azaleas, Buxus, Rhododendrons, Peonies, etc., etc. Prices are very low now. Good time to stock up.

L. Daehnfeldt, Ltd., Odense, Denmark; Axel Kundsén, American Representative, Minneapolis, Minn.—Wholesale Prices of Seeds for Summer Sewing, Cauliflower and other vegetable seeds, also full list of flower seeds. For the trade only.

Benj. Hammond, Beacon, N. Y.—Hammond's Slug Shot Pamphlet, 33rd Edition. This booklet gives useful information regarding the insect and fungous diseases of plants and the remedies recommended herein are the result of over a third of a century's experience and experimentation.

Catalogues of Holland material are quoting very low prices to the trade now on account of the recent action of Great Britain in prohibiting the admission to that country of foreign shipments of trees, plants and bulbs.

**HIGH GRADE PLANTS**  
For Retail Stores a Specialty  
ASK FOR LIST  
**THOMAS ROLAND, Nahant, Mass.**

# PROFITS      PROFITS      PROFITS

## "HERE COMES THE BRIDE"

There's Money in June Weddings and June Graduations and Commencement Days for the Florist **WHO KNOWS HOW TO PLEASE.**

We can supply you with strictly up-to-date accessories, which you **must** have if you want to give satisfaction. Stock up now and have the goods to show customers. Send for prices and you will be astonished to see how much you can do with a little money when you go straight to headquarters—**THE FLORISTS' SUPPLY HOUSE OF AMERICA.**

## H. BAYERSDORFER & CO.

1129 Arch Street, PHILADELPHIA, PA.

### THE RIGHT TO CHARGE AN ADVANCED PRICE WITHOUT PREVIOUS NOTICE TO THE CUSTOMER.

In these days of rapid and unexpected advances in all commodities, the following case should strike a responsive chord:

Columbus, Ohio.

For several years I have been dealing with a firm of Cleveland, Ohio, jobbers, buying the general line, among which is a line of staples, on which the price has not varied in a long time. For as long as I can remember the price has been the same, \$1.75 per dozen, f. o. b. Cleveland. The last order which I placed was placed as usual with the salesman who calls on us regularly. He said nothing about any advance in price, but advised me to increase my order, as the market might advance. He said, however, that he did not expect it to advance in the near future.

The goods were duly received and also the bill. I did not have time to check the bill up for a few days, and found then that the price on the line of staples I refer to had been advanced nearly 25 per cent. without notice to me. I took the matter up with the firm, but they refused to adjust the matter, saying that all wholesalers had advanced the price. It was too late to send the goods back because I had used some of them. I wish to know if I am liable for the advanced price, as I was charged same without notice.

E. R. K. & CO.

As I said before, this is vitally important just at this time, because all kinds of commodities are advancing, and the chance is that many more readers of this department may encounter this problem.

Whether a buyer who places an order relying upon a price previously quoted him, is responsible for a higher price, no notice of the advance having been given, depends on several factors.

First, what is the seller's method of doing business? Many manufacturers and jobbers print on all their business stationery and their order forms a line reading: "All prices subject to change without notice." Any seller who has put this wording on his stationery, if it is conspicuous, can raise his prices without notice to a buyer, and if the buyer places an order without inquiring, and afterwards finds the price higher, he must pay it if he keeps the goods. He can of course return the goods but must do so promptly.

Even if the seller does not use the notice referred to, it may be a custom of the particular trade to advance prices without notice. If this is so, the buyer is bound by it and could not object to an advance without notice.

If the seller has not adopted the blanket notice, "all prices subject to change without notice," and there is no custom of the trade about it, then in my judgment, he could not advance the price without notice. Perhaps I should qualify that. If the buyer had been buying a certain thing regularly every week or every month, and the price had for a considerable period been stationary, then it would be the duty of the seller, before filling the current order, to get confirmation of it at the advanced price. If he shipped the order and it was taken in and used by the buyer before the bill was sent, the buyer, in my judgment, could refuse to pay more than he had paid before.

This same question was asked me some time ago by a retail merchant who had bought some goods and had found the price higher than he had

paid the last time. Inquiry demonstrated that the order on which the price had been advanced was the first for over two months. The price two months before had been so much, and the buyer expected it to be the same as his last order, and did not inquire. It proved to be 33½ per cent. higher when the bill came in. The buyer had to have the goods quickly and he therefore used them, but objected to the charge. I advised him that his objection was not well founded. Where goods are bought infrequently, there is no connection between the transactions, and it is decidedly incumbent on the buyer to ask the price when he buys. He has no right to assume that it has not meanwhile changed. In such a case the buyer would have to pay whatever the price was.

There is still another factor which ought to be discussed, and it is present in the case cited by the Ohio correspondent, viz., the effect on the situation of a salesman's acceptance of the order without notice—perhaps without knowledge—of any advance. If the salesman has authority to actually accept orders on the spot—his previous conduct would decide this—then the former price governs if he accepts an order without changing the price, even though he didn't know of the advance, as seems to have been the case with the Ohio salesman.

But if the salesman had no authority to accept the order, but simply was to get it and forward it to his firm, they to pass on it, then what the salesman did or said has no bearing on the case.

(Copyright, May, 1916, by  
Elton J. Buckley.)

### A Florist's Necessity

## HART'S HANDY HANDLE

Fits securely on any standard pot and by the use of a little chiffon or ribbon gives you a Basket effect at a very small additional expense, increasing the price of your plants 100 per cent.

1	12 inches high,	\$2.50 per doz.	4	24 inches high,	\$5.00 per doz.
2	15 " "	3.50 " "	5	30 " "	6.50 " "
3	18 " "	4.00 " "	6	36 " "	9.00 " "

At Your Dealer's or Direct.

**GEO. B. HART, Manufacturer, 24 to 30 Stone Street, Rochester, N. Y.**

# PEONIES

IN ANY QUANTITY

Extra fine dark pink and large white

Good Stock, \$4 per 100

The Best, \$6 per 100

**THE LEO NIESSEN CO.**

Wholesale Florists

1201-05 Race Street,

PHILADELPHIA, PA.

TRY

Horticulture's Advertisers

**FIRST**

Before Looking Elsewhere

Tell Them You Did So And  
They'll Reciprocate

**EDWARD REID**  
WHOLESALE FLORIST

1619 - 21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES  
and all Seasonable Varieties of Cut Flowers

**REED & KELLER**  
122 West 25th St., New York  
**Florists' Supplies**

We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Decorative Glassware, Growers and  
Florists' Requisites

**Wired Toothpicks**

Manufactured by

**W. J. COWEE, Berlin, N. Y.**

10,000...\$1.85, 50,000...\$8.00. Sample free.  
For sale by dealers.

**E. G. HILL CO.**

Wholesale Florists

**RIEHOOND, IND.**

Please mention Horticulture when writing.

**MICHIGAN CUT FLOWER**  
**EXCHANGE, Inc.**

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH.

Telephone 2880 Madison Square

**WOODROW & MARKETOS**

WHOLESALE

**Plantsmen and Florists**

37 and 39 West 28th St., NEW YORK



**POEHLMANN BROS. CO.**

Supply of Best Cut Flowers all the Year Around  
**72-74 EAST RANDOLPH ST., - - - CHICAGO.**

If interested, send us your name and address for our weekly price list

**WELCH BROS. CO.** Wholesale Cut  
Flower Market

Daily consignments from leading growers Full line of Florists' Supplies Write for quotations before ordering elsewhere

**226 DEVONSHIRE ST., BOSTON, MASS.**  
Telephone, Main 6267-6268

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON June 1		ST. LOUIS May 22		PHILA. May 22	
<b>Roses</b>						
Am. Beauty, Special	15.00	to 25.00	15.00	to 25.00	10.00	to 25.00
" " Fancy and Extra	10.00	to 15.00	8.00	to 10.00	10.00	to 15.00
" " No. 1	1.00	to 6.00	1.00	to 5.00	3.00	to 8.00
Russell, Hadley	4.00	to 12.00	5.00	to 12.00	3.00	to 20.00
Killarney, Richmond, Hillingdon, Ward, Extra	4.00	to 6.00	4.00	to 6.00	6.00	to 8.00
" " Ordinary	0.00	to 4.00	2.00	to 3.00	2.00	to 5.00
Arenburg, Radiance, Taft, Key, Extra	6.00	to 8.00	.....	.....	6.00	to 8.00
" " Ordinary	3.00	to 5.00	.....	.....	2.00	to 5.00
Ophelia, Mock, Sunburst, Extra	6.00	to 10.00	6.00	to 8.00	5.00	to 10.00
" " Ordinary	3.00	to 5.00	3.00	to 4.00	2.00	to 4.00
Carnations, Fancy	3.00	to 4.00	2.00	to 3.00	3.00	to 4.00
" " Ordinary	2.00	to 3.00	1.75	to 1.00	1.50	to 2.00
Cattleyas	40.00	to 50.00	30.00	to 40.00	25.00	to 30.00
Dendrobium formosum	.....	to 35.00	.....	to 25.00	.....	to 20.00
Lilies	6.00	to 8.00	4.00	to 5.00	6.00	to 8.00
Lily of the Valley	2.00	to 5.00	3.00	to 4.00	2.00	to 5.00
Delices	1.00	to 2.00	.25	to .35	.40	to 1.50
Mignonette	1.00	to 2.00	3.00	to 4.00	.....	to 1.00
Snapdragon	3.00	to 6.00	3.00	to 4.00	.85	to 3.00
Peonies	3.00	to 6.00	4.00	to 6.00	3.00	to 6.00
Gladioli	4.00	to 6.00	4.00	to 6.00	8.00	to 8.00
Calendulas	1.00	to 2.00	2.00	to 3.00	1.50	to 3.00
Stocks	2.00	to 3.00	2.00	to 4.00	1.00	to 3.00
Sweet Peas	.50	to 1.00	1.00	to 3.00	.50	to 1.00
Gardenias	12.00	to 15.00	10.00	to 20.00	.....	to 1.00
Adiantum	.....	to 1.00	1.00	to 1.25	.....	to 1.00
Smilax	12.00	to 15.00	19.00	to 20.00	20.00	to 25.00
Asparagus Plumosus, & Spreng. (too Bchs.)	25.00	to 35.00	25.00	to 50.00	25.00	to 50.00

**WILLIAM F. KASTING Co.**

Wholesale Florists

383-387 ELLICOTT ST. - - - BUFFALO, N. Y.

**J. A. BUDLONG**

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and  
CARNATIONS  
A Specialty

WHOLESALE  
GROWER OF

**CUT FLOWERS**

In writing to Advertisers kindly mention Horticulture

## Flower Market Reports

Even the most exacting BOSTON and fastidious of florists could ask for no better conditions than surrounded the Memorial Day trading this year. Everything was in excellent conditions. Roses were plentiful but none too numerous. Short Beauties, Hadleys, Ophelias, Russells and Killarneys were the favorites, but all varieties were worked off. As for carnations the colored blossoms went lively, but white stuck rather badly and in more than one instance the buyer was forced to take a large dose of white with his colored purchases to enable salesmen to clean up on the former. Sweet peas were not exceptionally active and have quieted down still more during the last part of the week. Lilies moved fairly well during the rush but have fallen down considerably since. In fact a dead calm has struck the market since Tuesday. Darwins seem to be rather on the dull side at present, although they did well previous to Tuesday. Darwin Tulips sell rapidly at \$3.50 and \$4.00. Lily of the valley is not moving but June weddings will soon live it up. Gardenias were very quiet all week. Gladioli, snapdragon and stocks have resumed their normal state, both in quantity and price. Decoration Day was by far the biggest that the florists of Boston have ever known. The growers, with few exceptions, were able to bring in their cut at exactly the right time. Feverfew and peonies excepted, there was a good supply of everything, and even the above-named could hardly be called scarce. The total number of roses marketed during the week was enormous and carnations were a close second, but the public seems partial to the rose as a Memorial Day flower. A canvass of every wholesale house in the city indicates an unusually large volume of trade. Darwin tulips, extensively handled by nearly all the wholesalers, are a source of revenue not to be discounted. The scarcity of peonies was regrettable for while the retailers and the general public were loudly clamoring for their favorite Decoration Day flower the growers and wholesalers were powerless to answer their demands. The old staple, stock, was plentiful and much sought for. Nevertheless, there was no decrease in the sales of artificial wreaths and designs. Every local retailer reaped a rich harvest from this field and it is getting to be more profitable every year, as many evidently feared it would. A unique feature in this line is the cypress wreath, made of small-sized cypress leaves.

There is a large supply CHICAGO of flowers in the market on this, the day before Memorial Day. During the previous week, local trade had not been heavy. Warm weather, which culminated on Friday with mid-summer heat, did not tend to help conditions. The thermometer registered 90 degrees till late afternoon and roses particularly were the worse for it. Saturday trade was fair, locally, with a



## FOR THE JUNE GIRL

Peonies in all colors, mostly the newer varieties. Wonderful quality, the best ever offered at this time of the year

Medium quality, \$3 and \$4 per 100  
Choice " \$5 and \$6 per 100

Special prices in large quantities

RAMBLER SPRAYS, the first cuts from Washington, then Baltimore, Philadelphia and New York

\$6 to \$25 per 100 sprays

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The Wholesale Florists of Philadelphia

PHILADELPHIA NEW YORK BALTIMORE WASHINGTON  
1608-1620 Ludlow St. 117 W. 28th St. Franklin & St. Paul Sts. 1216 H St., N. W.

## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI May 22		CHICAGO May 25		BUFFALO May 28		PITTSBURG May 8	
<b>Roses</b>								
Am. Beauty, Special.....	35.00	to 40.00	30.00	to 35.00	20.00	to 25.00	20.00	to 25.00
" " Fancy and Extra....	25.00	to 30.00	20.00	to 30.00	15.00	to 20.00	10.00	to 15.00
" " No. 1.....	15.00	to 20.00	6.00	to 15.00	8.00	to 10.00	6.00	to 8.00
Russell, Hadley.....	8.00	to 15.00	3.00	to 20.00	6.00	to 8.00	4.00	to 12.00
Killarney, Richm'd, Hill'don, Ward	8.00	to 12.00	8.00	to 10.00	4.00	to 6.00	6.00	to 12.00
" " Ord.	4.00	to 6.00	3.00	to 6.00	3.00	to 4.00	.....	to 4.00
Arenburg, Radiance, Taft, Key, Ex.	8.00	to 12.00	8.00	to 12.00	6.00	to 8.00	.....	to 12.00
" " Ord.	4.00	to 6.00	4.00	to 8.00	3.00	to 4.00	.....	to 4.00
Ophelia, Mock, Sunburst, Extra....	8.00	to 12.00	8.00	to 12.00	6.00	to 8.00	6.00	to 12.00
" " Ord.	4.00	to 6.00	4.00	to 5.00	3.00	to 6.00	.....	to 4.00
Carnations, Fancy.....	3.00	to 4.00	5.00	to 6.00	3.00	to 4.00	4.00	to 6.00
" " Ordinary.....	2.00	to 3.00	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00
Cattleyas.....	10.00	to 10.00	50.00	to 75.00	40.00	to 50.00	60.00	to 75.00
Dendrobium formosum.....	.....	to 10.00	.....	to 10.00	.....	to 10.00	.....	to 10.00
Lilies.....	10.00	to 10.00	8.00	to 12.00	.....	to 10.00	.....	to 10.00
Lily of the Valley.....	.....	to 10.00	3.00	to 5.00	5.00	to 6.00	4.00	to 5.00
Daisies.....	.....	to 10.00	1.50	to 2.00	1.00	to 2.00	1.50	to 3.00
Mignonette.....	.....	to 10.00	4.00	to 6.00	2.00	to 3.00	3.00	to 4.00
Snapdragon.....	6.00	to 10.00	.....	to 8.00	3.00	to 6.00	4.00	to 8.00
Peonies.....	4.00	to 6.00	4.00	to 8.00	4.00	to 6.00	.....	to 10.00
Gladioli.....	4.00	to 8.00	4.00	to 10.00	.....	to 10.00	.....	to 10.00
Calendulas.....	2.00	to 3.00	2.00	to 3.00	.....	to 3.00	2.00	to 4.00
Stocks.....	2.00	to 4.00	3.00	to 5.00	.....	to 10.00	.....	to 10.00
Sweet Peas.....	.....	to 10.00	5.00	to 10.00	.....	to 10.00	.....	to 10.00
Gardenias.....	.....	to 10.00	.....	to 10.00	.....	to 10.00	.....	to 10.00
Adiantum.....	.....	to 10.00	.....	to 10.00	.....	to 10.00	.....	to 10.00
Smilax.....	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00	.....	to 20.00
Asparagus Plu. & Sprng. 1x Bls.	25.00	to 30.00	25.00	to 30.00	40.00	to 50.00	30.00	to 50.00

good lot of shipping orders. Sunday was quiet and Monday's trade was reduced by a steady rain. Altogether, the florists are not counting on trade footing up to the usual returns of Memorial Day week. Peonies are arriving in large quantities and a good proportion going into cold storage. Local demand for peonies is regarded as very good. There are plenty of good carnations and roses for all orders and the poorer ones are being sold for anything they will bring. Sweet peas, daisies, snapdragons, calendulas, iris, lilies, etc., give good variety. Ferns are quoted at \$4 per 1000. The strike has greatly hampered the Memorial Day trade. The fact is, telegrams are coming in today saying Saturday shipments had not come through promptly. The market is full of stock and all the definite information on prices at time of writing is that shipping orders are billed at quotations of last week, and local trade is handled for whatever they can get.

Taken as a whole CINCINNATI Memorial Day business was very good for the retailer. There was a large quantity of stock and an active de-

mand. A very considerable competition came from outdoor stock which the farmers brought in or from the people's own gardens. The commencement of the local High Schools on Thursday and Friday of this week should use many blooms and help business accordingly. Roses and carnations are in a heavy supply. Lilies are plentiful. Gladioli are excellent, coming in in a fair quantity and sell well. Peonies are very plentiful. Some good outdoor sweet peas as well as greenhouse grown ones are offered.

Business up to and NEW YORK including May 29, was exceptionally good, and flowers of all kinds were disposed of at very good figures. After 10 o'clock on Monday morning, however, the market went to pieces. Carnations dropped fifty per cent, lily of the valley and lilies were the same and the situation became gradually worse until the afternoon shipments arrived, when the market went completely to pieces, and no staple prices could be maintained. On the morning of Decoration Day the market was

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55 and 57 West 26th Street

Telephone No. 764  
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Telephone 8335, Farragut.

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PHONE 608 MADISON SQ., NEW YORK

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WHOLESALE FLORISTS

53 WEST 28th STREET NEW YORK CITY

Consignments Solicited

Phone 7362 Madison Square

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Ferns, Mosses, Wild Smilax, Galax,  
Leucothoe, Palmetto, Cycas, both fresh  
cut and prepared.

Laurel, Hemlock, all Decorative Evergreens.

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**M. C. FORD**

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FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.  
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A full line of Choice Cut Flower Stock for all purposes

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**ALBANY CUT FLOWER EXCHANGE**

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Prices Right. Consignments Solicited. Telephone Connection

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WHOLESALE FLORISTS, 34 West 28th St., New York

Telephones 1064 1895 Madison Square

CONSIGNMENTS SOLICITED

NEW YORK QUOTATIONS PER 100. To Dealers Only

**ROSES AND CARNATIONS**

	Last Half of Week ending May 27 1916		First Half of Week beginning May 29 1916	
American Beauty, Special	12.00	to 20.00	15.00	to 25.00
" " Fancy and Extra	8.00	to 12.00	6.00	to 12.00
" " No. 1	3.00	to 6.00	3.00	to 6.00
Russell, Hadley	3.00	to 12.00	2.00	to 12.00
Killarney, Richmond, Hillingdon, Ward, Extra	3.00	to 10.00	3.00	to 6.00
" " Ordinary	3.00	to 6.00	2.00	to 3.00
Arenburg, Radiance, Taft, Key, Extra	3.00	to 10.00	3.00	to 6.00
" " Ordinary	3.00	to 6.00	2.00	to 3.00
Ophelia, Mock, Sunburst, Extra	3.00	to 10.00	3.00	to 8.00
" " Ordinary	3.00	to 6.00	2.00	to 3.00
Carnations, Fancy	4.00	to 5.00	3.00	to 3.00
" " Ordinary	2.00	to 3.00	1.00	to 2.00

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**TRAENDLY & SCHENCK**

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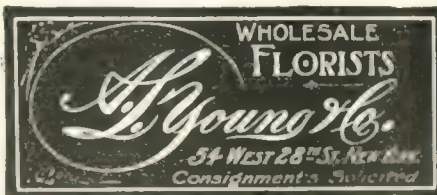
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Wholesale Commission Florists

Orchids, Gardenias and Many Unusual  
Flowers of Quality.

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NEW YORK

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WHOLESALE FLORISTS

55-57 West 26th Street

Telephones, 13-8510 Madison Square

MAURICE L. GLASS, Treasurer

Consignments Solicited

# Flower Market Reports

(Continued from page 769)

as quiet as an ordinary Sunday. All commission houses were well stocked with almost everything, nothing moving. Even cattleyas were in great supply and gardenias, which had been selling for very fair figures, also took a big drop. At present enormous quantities of peonies are flooding the market just two days too late, and where they would have sold at from 8 to 12 dollars a hundred, they are now being sacrificed at any price from \$15 to \$60 per thousand, according to the variety. Lily of the valley is moving slowly, and it is almost impossible to dispose of smilax, adiantum and such stock. All things considered, this market is in a very unsatisfactory condition.

One feature PHILADELPHIA stood out prominently in the Memorial holiday flower trade of Philadelphia. Up to the last shipping day the commission men had a headache from an avalanche of peony orders which they could not fill, because the peonies were not in bloom. The very next day, the peonies came in with a rush, and they had a headache with peonies for which they had no orders. Sad. Sad. But, outside of that, business was up to the usual mark—and perhaps a little better. If it had not been for the peony situation the aggregate would have been away ahead of all records. There was no marked advance in prices on the staple lines except on carnations. These went up about twenty-five per cent. during the four days preceding the holiday as the cool weather and the “cease-firing” custom had shortened the supply. Another good seller was the gladiolus—both the grandiflora and the baby went very well indeed. German irises were plentiful and good and cleaned up pretty well. The rose market was a little slow, and the same may be said of other high-priced stock such as orchids and gardenias. Their turn will come next week—when the June Girl gets busy.

Contrary to the expectations of last week, there was a plentiful—in fact, an over-plentiful supply of cut flowers for Memorial Day. The extremely hot weather forced quantities of practically all kinds, so that there was no shortage as predicted. Too, the demand was not quite as good as usual, probably owing to two reasons: Falling so early in the week, many observed the day on Sunday; and again there is a growing tendency to use blooming plants and magnolia wreaths owing to their more lasting quality. For both of these the demand has never before been as great. Returning to cut blooms; the demand for special goods was not as good as usual, the cheaper varieties selling decidedly better. Dec-

**PATRICK WELCH, WHOLESALE FLORIST**  
262 DEVONSHIRE STREET, BOSTON, MASS.  
TELEPHONE MAIN 2668

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.  
STORE OPEN FOR BUSINESS AT 6 A.M.

NEW YORK QUOTATIONS PER 100. To Dealers Only					
MISCELLANEOUS		Last Half of Week ending May 27 1916		First Half of Week beginning May 29 1916	
Cattleyas	25.00 to 35.00	25.00	to 35.00	25.00	to 35.00
Dendrobium formosum	20.00 to 25.00	20.00	to 25.00	20.00	to 25.00
Lilies	6.00 to 10.00	6.00	to 10.00	3.00	to 5.00
Lily of the Valley	1.00 to 5.00	1.00	to 5.00	1.00	to 3.00
Daisies	.50 to 1.00	.50	to 1.00	.50	to 1.00
Mignonette	2.00 to 3.00	2.00	to 3.00	2.00	to 3.00
Snapdragon	2.00 to 8.00	2.00	to 8.00	2.00	to 6.00
Peonies	8.00 to 12.00	8.00	to 12.00	1.50	to 6.00
Gladioli	4.00 to 7.00	4.00	to 7.00	2.00	to 6.00
Calendulas	1.00 to 2.00	1.00	to 2.00	1.00	to 2.00
Stocks	2.00 to 3.00	2.00	to 3.00	1.00	to 2.00
Sweet Peas	.25 to .75	.25	to .75	.10	to .75
Gardenias	4.00 to 15.00	4.00	to 15.00	8.00	to 12.00
Adiantum	.50 to 1.00	.50	to 1.00	.50	to 1.00
Smilax	12.00 to 15.00	12.00	to 15.00	10.00	to 12.00
Asparagus Plumosus, & Spreu (100 bunches)	15.00 to 25.00	15.00	to 25.00	15.00	to 25.00

**I Can Sell Them For You!**  
I have an unlimited market for your flowers, any variety, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty-eight years in the Cut Flower Commission Business.  
Write for information or call and talk it over.

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Wholesale Commission Florists  
110 West 28th St., New York  
We Solicit Consignments of New England Grown Novelties.

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Tel., Farragut 5413-5891  
EVERYTHING IN CUT FLOWERS  
CONSIGNMENTS SOLICITED

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CERTIFIED PUBLIC ACCOUNTANT  
Simple methods of correct accounting especially adapted for florists' use.  
BOOKS BALANCED AND ADJUSTED.  
40 STATE ST. . . . BOSTON  
Telephone Main 53.

oration Day itself was a keen disappointment to those shops which cater to late trade, the steady downpour of rain precluding really any business. Bedding work, as well as landscape, continues surpassingly good.

The conditions of the ST. LOUIS wholesale market have not been satisfactory to the commission man nor the grower of late. Stock has been glutted up and prices away down. The overcrowded market of the previous week was intensified by the coming in of large shipments of peonies and cape jessamines. The arrival of these always causes a less demand for roses and prices have to suffer. The coming

**UNITED CUT FLOWER CO., INC.**  
Flowers Sold on Commission  
Consignments of  
Good Stock Solicited  
PERCY W. RICHTER, Mgr., NEW YORK  
111 W. 28th Street

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Wholesale Florist  
Experienced, Progressive and can handle shipments of growers' product satisfactorily.  
106 West 28th St., NEW YORK  
Tel. Farragut 3066.  
STRAIGHT WHOLESALE ONLY  
**FRANK MILLANG**  
CUT FLOWERS  
55-57 W. 26th St., NEW YORK  
NO DESIGNS MADE UP

and carnations, also other staple stock of Memorial Day this week clears up some of the overcrowded conditions, but there are many other outdoor flowers coming in now. Lily of the valley should be well in demand this month for weddings and the National Convention and school closings should keep the retailer somewhat busy for a while.

**WE ARE WHOLESALE FLORISTS**  
We handle every variety of cut flowers. We have 22 years' experience behind us, and we do not expect a gold medal for doing our full duty by our customers and ourselves. You cannot go very far wrong when dealing with us.  
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Phones 2036, 2027, 558 Farragut

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R. Vincent, Jr. & Sons Co.  
White Marsh, Md.  
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Geraniums out of 3½ inch pots, \$7.00 per 100. Cash please. LEONARD COUSINS, JR., Concord Junction, Mass.

S. A. Nutt, R. C., \$10.00 per 1000; 3 in., \$5.00 per 100; 4 in., \$8.00 per 100. FRANK LEITH & SON, Haverhill, Mass.

Geraniums, 3½ inch, in bud and bloom, \$7.00 per 100. S. A. Nutt, Poitervine, Vinca Variegated, 4 inch, heavy, \$12.00 per 100. Cash. CHAS. H. GREEN, Spencer, Mass.

GERANIUMS—1500—3½-in., 5 varieties assorted, good bedding stock, in bud and bloom, \$6.50 per 100, cash. 200 Fuchsias, \$7.00 per 100. WALKER THE FLORIST, No. Dighton, Mass.

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The Leo Niessen Co., Philadelphia, Pa.  
New Crop Dagger Ferns.  
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H. M. Robinson & Co., Boston, Mass.  
New Crop Dagger Ferns.

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## TWO-COLOR PANSIES

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## PLANT TRELLISES AND STAKES

Stakes, Trellises, Plant Stakes and Trellises.  
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THE CONARD & LOUIS COMPANY  
Rose Specialists,  
West Grove, Pa. Send for offers.

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Seeds with a Pedigree.  
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Ant. C. Zvolanek, Lompoc, Calif.  
Sweet Pea Seed of Home Winter Flowering Sweet  
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L. SQUIRES, Hempstead, N. Y.

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STOCK OF ALL KINDS.**

A. M. Davenport, Watertown, Mass.  
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So many discoveries of new facts by plant investigators, shortcuts and "wrinkles" worked out by plant propagators, and nursery, greenhouse and garden methods simplified or made more effective, have made books hitherto available on plant propagation out of date.

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Illustrated, 5 1/2 x 7 1/2 inches, 342 pages. Cloth. Price, net, \$1.50.

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CORRESPONDENCE SOLICITED

### REPORT OF THE FLORICULTURAL PATHOLOGIST, UNIV. OF ILL.

BRANCH ROT OF THE CARNATION.

#### Branch Rot of the Carnation.

Branch rot of carnations was much more serious this past season than formerly. This condition was due in part to peculiar weather conditions. The excessive rains produced plants that were large, bushy and soft. As they made such rapid growth, a large amount of topping was necessary which increased the number of wounds and so increased branch rot. Also, the plants being bushy prevented them from drying out completely after the rains, and this factor also induced this trouble.

The fungus causing branch rot cannot attack a healthy plant below the surface of the soil like stem rot, but it is more in the nature of a wound parasite, attacking branches where the flower stems and shoots have been broken off and slowly working its way down into the stems and finally killing the entire plant. The fungus is also able to get in at the nodes and kill the young shoots even before they are visible. In bad cases of node infection, the nodes become discolored and split and in a short time the whole branch dies. It was observed, for the first time, this season that the fungus is the principal cause of the dying off of the lower leaves of the plant, especially in cases where the plants have yellows.

#### Methods for Control.

To control this trouble, I would make the following recommendations:

1. It is better, for several reasons, to use a medium sized, sturdy plant than a large, bushy one to set in the bench.
2. In planting, do not set the plants too close together. Overcrowding will increase branch rot considerably.
3. As in the case of the control of stem rot, keep the temperature down, especially during the first three months.
4. It is always better to syringe early in the morning of a clear day, so that the plants will dry out by evening.
5. In topping, be careful not to leave stubs and broken parts on the

plants, for these are open doors for branch rot to enter.

6. In gathering flowers, experiments have shown that carefully breaking off the flower stems at the node is to be preferred to cutting the stems between the nodes. Branch rot will enter a stub easier than it will at the nodes.

7. Of the utmost importance in the control of branch rot, as well as other diseases, adopt for your slogan, "keep the houses clean," which means under, as well as on top of the bench.

#### Carnation Yellows.

Carnation yellows appears to be increasing in seriousness rapidly and is now to be found on all the standard varieties on the market. While the cause of this disease still remains unknown, I would make a few suggestions, which if carefully followed out will help eliminate this trouble from your greenhouses.

1. Always bear in mind that anything that will lower the vitality of your plants will increase the amount of yellows. Also, that any check the plants receive will, likewise, tend to increase yellows.

2. Before making cuttings, select and mark the strongest and healthiest plants in the benches. Watch them closely and if they develop yellows do not take cuttings from them.

3. Make your cuttings from plants in bloom in preference to stock plants. In this connection, when you grow a new variety remember the plants are generally propagated from stock plants and in many cases weak cuttings, due to overpropagation, are used. Therefore, it is well worth your while to select the best and strongest plants of the new varieties the first year and watch them closely and then make cuttings in the manner I have outlined above.

4. Root your cuttings early in the season and do not leave them in the sand after they have rooted. It is better to put up cuttings with the root system fairly developed than to wait until the cuttings have a great mass of roots. From my observations, I have found that the later cuttings are made, the longer they take to root. Also, that the late rooted cuttings will be troubled with yellows much more than the plants rooted early in the season.

5. Although the more plants are shifted, the more yellows will increase,

never let the young plants become pot-bound, or stunted.

#### Antirrhinum Rust.

Antirrhinum rust, like the carnation rust of old, has spread over the whole country and is now found in the east as well as the west. Like carnation rust, it will run its course and the ultimate result will be that the antirrhinum breeder will give us rust-resistant varieties as in the case of the carnation. However, the question now before the grower is to know how to control it at the present time.

This rust as well as anthracnose, another disease of the snapdragon, can be prevented by applying Bordeaux mixtures every two weeks from the seedling stage until the spikes form, followed by a weekly application of ammoniacal copper carbonate during the rest of the growing season. Bordeaux mixture discolors the foliage, so that it cannot be used through the season.

In my former reports I recommended the use of seeds instead of cuttings. However, I have learned from experience, that suitable plants for commercial purposes cannot be obtained from seeds. Therefore, I would modify my recommendation to this extent. Do not use cuttings if you must send for them. Start your first batch from seed and then select cuttings from the most promising plants. Rust cannot be introduced in your establishment through seed, but infected cuttings can be easily overlooked. It has been proven rather conclusively, that the rust was spread over this country in the last three years, on infected cuttings.

#### Aster Wilt and Yellows.

Last summer, work was started on aster wilt and yellows, two of the most serious troubles of this crop. About ten thousand plants were used in the experiments. Twenty-five varieties, representing all the commercial types, were grown from seed obtained from various states in this country and different localities in Europe. All the plants used were more or less infected with yellows, showing that the variety or origin of the seed has no influence on the amount of yellows. The more young seedlings were shifted, the more loss from wilt occurred. This was true to some extent with yellows also. The lowest percentage of loss occurred where the seeds were sown directly in the field, although the plants bloomed later. Disinfecting the seed with mercuric chloride (1 part to 1,000 parts of water) for 5-10 minutes, and the use of clean seed beds, with a minimum of shifting or transplanting, will materially decrease the loss from wilt. No recommendation can be made for the control of yellows at this time.

## PUBLICATIONS RECEIVED.

The girls of America owe a large debt of gratitude to the Page Company of Boston, Mass., for the many interesting and deserving girls' books they send out each year just about the time the vacation period is beginning. This vacation literature is always clean, wholesome and vivacious and marked by a refreshing absence of anything morbid or objectionably sensational. "Social mush" finds no place in The Page Company's publications.

One of the books just out is "Blue Bonnet Keeps House." This is the fifth in the popular Blue Bonnet series by Caroline E. Jacobs and Lela H. Richards. It is the tale of a girl of wealth who owns a ranch in the west and of her social experiences in a sojourn in Boston. A book just suited for a present to a girl in her teens. Price \$1.50 net.

Sylvia of the Hill Top, the Second Cheerful Book, by Margaret R. Piper, author of "Sylvia's Experiment; The Cheerful Book." "The Cheerful Book" is a trademark, well taken considering the phenomenal success of the "Glad" books which carried the name of the Page Company all over the world. Sylvia of the Hill Top starts off with an episode in which a young gardener becomes "part of the landscape" and as the hero of the story "makes good" all through. The heroine of the first Cheerful Book proved herself a messenger of joy and cheerfulness to thousands of readers. This book tells how she continued her sunny mission during her summer vacation and made friends with everyone. The frontispiece is in full color. Price \$1.25 net.

The Girl from the Big Horn Company; by Mary Ellen Chase. Since this book was issued its popularity has so spread that the Page Company have been compelled to put it into its fourth printing. It is one of those big whole-souled healthy stories which, sad to say, we see so little of in these days. This is the story of a typical Wyoming girl and her experiences among new social surroundings in Vermont. It is full of life and spirit. One reviewer of this book says: "Virginia Hunter, with her fresh western ways and her wholesomeness, is so infinitely superior to Gladys Fulcrn Goat or some other individual who is made the heroine of the social penny thriller that it seems almost a shame that the publishers have to sell the unique book alongside of the commonplace."

The price is \$1.25 net. Seven full page illustrations, frontispiece in full color.

Bulletin of the American Dahlia Society, Vol. 1, No. 3. The May issue of the Bulletin is a progressive and useful document. Articles on Dahlias from Seed, Preferred Varieties, Dahlias in Public Parks, Affiliation, Judging Points, The Dahlia as a Cut Flower, and many notes on cultural topics by growers of repute form the contents which dahlia growers will find interesting and instructive.

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### FREAKISH FACTS AND FACTLESS FREAKS.

#### Rosebush Yields Apples.

Dr. Irwin's rosebush this year produced apples instead of roses. The crop was gathered by Dr. Irwin last week. It consisted of five apples, each about the size of a hen's egg, and of delicious flavor.

In Mr. Ogden's yard in Fulton Avenue is another rosebush which has produced flowers for ten years. But it, too, became tired of the humdrum existence it had been leading, and also produced apples this year.

—Moberly (Mo.) Monitor.

#### Raises Strawberries in Cellar in Winter.

St. Louis, April 2.—Mrs. Katherine Schuch of Randle street, Edwardsville, Ill., has found that the basement of her home is good for something beside storing coal and doing the week's washing. She grows a winter crop of strawberries there. While the snow is piled around the house, it is a common practice of Mrs. Schuch and her sons to step downstairs and fill a bowl with ripe, deliciously flavored berries for luncheon. The basement strawberries are not so red as those grown in the sun in strawberry season, but it seems to the family that they equal the spring berries in taste.

—Boston Post.

#### No Peanuts for Orchids.

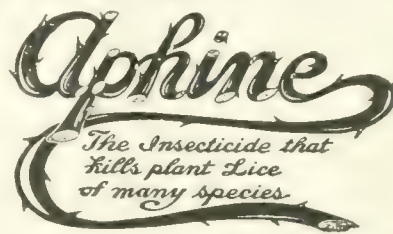
"Do not feed the plants" was an order that was repeated to surprised guests at the Flower Show, at the Grand Central Palace, recently, as thousands of men and women made the acquaintance of the collection of mouse and bug eating flowers on exhibition there.

The orchid hybridizing exhibit of Clement Moore, amateur floriculturist, attracted particular attention when it was learned that the mother orchid captured and devoured small insects that might injure the young seedlings when they first appear above the ground. Other carnivorous plants whose tastes run largely to dainty field mice also were included in the collection.

—New York Tribune.

Judges at the International Flower Show at Grand Central Palace who were to pass on the comparative merits of modest violets rubbed their eyes, blinked, looked again and then demanded to know what variety of bloom was a new one that reposed in the midst of a mass of mauve tinted flowers.

Somebody had tried to play a little joke on the horticultural wise men by including among the entrants a variegated cubist cabbage labelled "Violet Ascending to the Sun." Every tint in the rainbow was reflected in the common or garden variety of vegetable which had carefully been colored and stuck all over with flower petals. The judges refused even to consider the floral novelty and it was hastily removed by the management of the show, who took care to suppress the



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name of the cubist violet exhibitor who apparently hoped to get a little free advertising out of the show.

—New York Herald.

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range of houses.Toledo, O. Dr. J. J. Lasalle, two  
vegetable houses.Hutchison, Kan.—Walter Under-  
wood, 230 ft. house.Philadelphia, Pa.—Henry J. Muller,  
Falls road, one house.Gallipolis, O.—S. White, rebuilding  
and one house 25 x 140.Chicago, Ill.—John G. Witt & Son,  
two houses, each 20 x 126.Newport, R. I.—J. J. Van Alen, Law-  
rence avenue, three houses.Kansas City, Mo.—A. D. Mohr, 76th  
and Broadway, two houses.West Hartford, Ct.—W. W. Thomson  
Co., Lord & Burnham house.Syracuse, N. Y.—Russell Bros., Inc.,  
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two Dietrich houses, each 35 x 150.Whitestone, N. Y.—Frank Pilecki,  
11th avenue, four houses 25 x 100.Kansas City, Mo.—Stockdale Green-  
houses, 18th and Longwood, two  
houses.Louisville, Ky.—E. G. Reimers &  
Son Co., Taylorsville road, house 30 x  
150, house 28 x 150.

Williamsport, Pa.—W. J. Evenden's

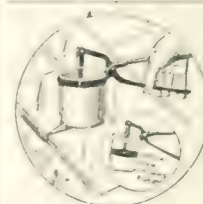
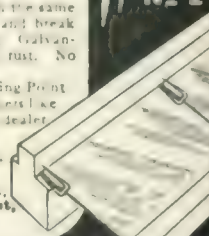
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tion reports the following list of re-  
cent contracts:Sewell, N. J.—U. C. Wanner, house  
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ley, house 18 by 25 ft.Devon, Pa.—John A. Brown, house  
15 by 50 ft. with service building.Blue Point, L. I.—Julius Chevalley,  
iron-frame flat-rafter house, 60 by 200.Chalfont, Pa.—Sam F. Lilley, house  
35 by 250; propagating house 16 by  
135.Bryn Mawr, Pa.—Mrs. Ellison Wal-  
baun, house 15 by 25 ft. with service  
building.Wallingford, Pa.—Bickmore Green-  
houses, house 54 by 380 ft.; bulb  
house 16 by 38 ft.Cazenovia, N. Y.—Mrs. Henry Bur-  
den, two iron-frame houses, 38 by 150  
ft., with service building 18 by 85 ft.Warrenville, N. J.—A. H. Hofheimer,  
iron-frame flat-rafter house, 50 by 200;  
fire-proof boiler house 40 by 25 ft.

Scranton, Pa.—Scranton society ladies made substantial profits for a worthy charity and incidentally had a good time at the "Flower Market"—an outdoor garden fete given for the benefit of the Home for the Friendless on May 23rd. So successful was the first occasion that it is planned to make it an annual event hereafter. The market was laid out along three walks at the east of the Court House. There was a tea garden, handsomely furnished, and tables and booths for flowers, plants, seeds, garden furniture and clothing, miniature landscape planting, Japanese garden, insecticides, birds, etc. Baldwin, Clarke, Baumann and others connected with commercial floriculture supported the affair very generously and made attractive exhibits. One of the most active ladies in the management was Mrs. Chas. S. Weston and she was ably assisted by Mrs. Everett Warren and her other associates on the executive committee. The local newspapers gave large space to the account of the affair.

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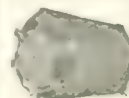
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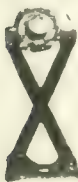


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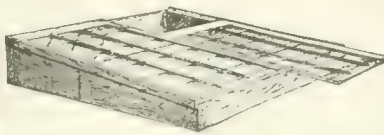
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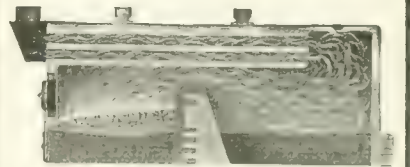
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**H**ORSE sense is one thing.

Horse play, another.

Playing horse with one's self, still another.



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To state that a man plays horse with himself seems ridiculous, doesn't it?

But what about the man who knows that his heating must be overhauled, and puts it off week after week, until the very last thing before frost, and then raises "merry hail" because we can't do it day before yesterday?

Doesn't that come pretty close to playing horse with himself?

One thing certain, if anyone can do a hurry-up-heating-haul-over, we can. But these hurry-up-on-the-dead-run jobs are bad business. Bad, because they cost so much.

Of course when we mentioned this brand of playing horse we didn't have you in mind—it was the other fellow.

We know you are the horse sense kind, who will have us get after your heating problems the very first thing possible.

All we really wanted to speak to you about was that men—(especially good heating men)—are mighty scarce, and from the looks of things they will be scarcer. So if you want your work done early as usual, you had better get at it unusually early.

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Vol. XXIII  
No. 24  
JUNE 10  
1916

# HORTICULTURE

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*Photo. by Puck*

Interior View of New Flower Store of J. H. Small & Sons, New York City

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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"It vain our toll, we ought to blame the culture, not the soil."—Pope.

## Miltonias

Miltonias are very subject to thrips so they should be dipped or sponged with fir tree oil or aphine about every two weeks. Give plenty of ventilation both day and night until fall. Keep them well syringed overhead during bright weather. Where you can, use removable blinds or lath shadings; they are the best, but where you have not these do not make the shading too dense. When through flowering the plants should have any necessary repotting. They do well in pans or pots, which should be half-filled with broken crocks and lumpy charcoal. A good compost is osmunda fern fiber mixed with a little live sphagnum. They can be kept rather close for three or four weeks after potting, but after that place them in as cool a house as possible during the summer months.

## Preparing Compost for Carnations

All good growers know that without a congenial compost from which to draw the necessary food supply returns from the plants will be very unsatisfactory. Much success or failure is dependent on the soil used. In reality there is no dull season for the carnation grower, for there is always something to be looked after. Sod that was piled up last fall and exposed throughout the winter is the soil to use. Where this was mixed with manure at the rate of three of soil to one of manure it will not require anything else outside of a good turning over so as to have it thoroughly mixed. Always keep the pile clear of weeds and it will be time well invested.

## Propagating Begonias

If you want to work up a good lot of flowering and ornamental leaved begonias now is a good time to start. The new side growths including such as come directly from the base of the plant make the most satisfactory cuttings. All flowering begonias will root now with the greatest of ease. An ideal place is a shaded house where the ventilators can be adjusted to avoid sweeping air currents, with an atmosphere that is charged with a reasonable amount of humidity. The floors and benches should be kept cool by frequent wettings, during the hot weather. For shading the house, a thin mixture of naphtha and white lead will do. When rooted they should be potted into 2½ or 3-inch pots in sandy loam, leaf mold and sand. In the shifts after this use a

turf like, crumbly sod three parts well decayed cow manure one part, and enough of leaf mold and sand to lighten it.

## Poinsettias

Poinsettias that were started early should now furnish some fine material for propagating. Such as are rooted now will produce bracts a foot or more in diameter and be suitable either for benching or making up later into large pans. Don't break them off the wooded stem but use the knife and let one or two eyes of the soft wood remain on the plants to give more cuttings in about four weeks. A common error is to leave cuttings too long in the sand after being rooted. Pot into stiff loam mixed with about one-third of well rotted cow manure. Pot just as soon as the roots have formed. By keeping them covered with glass and not giving too much ventilation, they will come along in good shape. If convenient and suitable greenhouse bench space is not at disposal, spread a coating of coal ashes in a cold frame and grow them there.

## Stocks for Winter Flowering

The best place to care for these plants through the summer is in a frame where the sashes are elevated 6 to 8 inches, which will afford at all times a free circulation of air. In this abode they will do fine until very late in the fall. It is better to pot them when quite small. A 2 or 2½-inch pot is a good size to use and as these become filled with roots shift into 4 or 5-inch pots. Give them a rich compost, say three parts turfy loam to one of well-decayed manure. Ventilation is one of the most important points in growing stock successfully so give them plenty of it. Give regular fumigation to keep down the green fly. It is a good plan to wait until the buds can be distinguished before they are planted out, for you can tell the double flowered ones by their stubby buds.

## Planting Out Stevias

Stevias could be planted out in the field. I prefer to give them a piece of poor ground as they will then make nice bushy plants. When given a rich soil they make entirely too rampant a growth. They should have about two feet of space between the plants. Keep pinching until the last of August when they can be lifted and potted or benched.

Next week: Asparagus plumosus; Decorative Plants; Gladioli; Rambler Roses; sowing Perennials.

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## NO. 24

WM. J. STEWART, Editor and Manager.

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The old saying that "No rule is so good as that which admits no exception" applies in the case of St. Louis which has had the exceptional misfortune to be visited by two destructive hail storms, within a brief period, none of the sufferers in the first being among those worst hit by the second. HORTICULTURE extends sympathy to the victims, who, it is to be hoped, are all protected by the Florists' Hail Association. This organization has proved a veritable life-saver for many a florist in distress and, doubtless, this St. Louis experience will be the means of adding to the number of its members. Secretary Esler's notice

One being coloring, you can use the spot an dyes—M & P and B. P. Co., New York, last are Unifluent markers often sold with

in rural life. Any movement which tends to promote more rational living and a fuller appreciation of woodlands, gardens and all the environment of rural life is surely important. The one we are now considering may have fallen short of expectations in its first public attempt under hitherto untried conditions, but it is a *De Facto* movement and it should be judged not merely for what it was but for what it means for now and for the future. The plans of its promoters in their ultimate aim and purpose are distinctly on lines in which HORTICULTURE heartily believes, as a stimulus to substantial horticultural growth and for the best interests and material welfare of the entire horticultural profession. A sincere endeavor to amalgamate the active commercial and the amateur horticultural interests in singleness of purpose for effective joint work seems very manifest in this unique enterprise. Every forward step taken in this direction should have unqualified commendation and every possible encouragement and assistance, for only such a policy can assure success. We hope that the people who stand behind this movement now so auspiciously started will not relax in their zeal and that the new organization may prosper in all it undertakes for the advancement of horticultural art.

We took occasion last week to call attention to the appearance in this country of a number of special low price quotations on nursery stock received by mail from Holland just as the turn of

forty or more salesmen who had been traveling here were sent to meet their customers here. How far this disposition to cut prices will extend, how it will affect the Boskoop syndicate by whom prices are established in advance, or what course will be adopted by the American houses which have already placed their orders, in the event of a stampede to unload accumulations in this country, we cannot predict but we do know that a number of the larger buyers here, in view of the practical cutting off of most of the other markets which have been Holland's best customers, have withheld their customary orders this season, being convinced that the prices asked were not based upon present actual conditions and outlook in Boskoop. The thinking man naturally questions the wisdom of the policy of sending so many men to this country to do the work which might be better done by a small fraction of the number and at a great reduction in the expense which the buyer feels is sure to come out of himself eventually. It is a very grave and even disastrous situation with which the Holland growers and dealers are now confronted, but self-protection demands the exercise of prudent foresight as the only safe course for the American buyer under the circumstances. Unless he can have an agreement that, in the event of reduced quotations later in the season he can have the benefit of the same, then the buyer cannot be blamed if he adopts the conservative course which his judgment dictates. The safest and altogether best plan for all American buyers is to insist on prices being made, freight prepaid, to New York. The foreigner is always able to get a better freight rate than American buyers and it should be up to him, being on the ground, to superintend all such shipments during these perilous times.

## ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur Ruzicka*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

### Planting Time

Planting time has now arrived in earnest even on the smaller places, and with labor hard to get, no time should be lost in getting the houses planted and ready for another year's work. Do not use any poor plants as it is a big loss in the long run. It will be much better for the pocket book of the man backing the business to buy good plants if those grown at home do not come up to the mark. There are times when even with the best of care a lot of plants will become pot-bound and will not have a very good color. These plants are not poor though, for no sooner are they planted than they will begin to grow very fast. With prices always growing smaller and the cost of labor, etc., always climbing, it is necessary to keep the houses producing so that there will be no idle benches at any time. Grow the plants in four-inch pots if at all possible. With good culture and care in syringing and watering, these plants can be grown so as to cut even before they are planted, and after careful planting in the benches, will begin to cut more and more.

### Depth of Soil in the Benches

Every grower has his own idea as to the proper depth of soil in the benches but with us we find that the less we can use the better. Three inches, with four as the limit, is plenty with our way of growing. This does not mean three inches of loose soil which when packed would not give the plants any space to root in, but three inches of well firmed soil. It is a great saving in many ways not to use too much soil. In the first place it takes about half the sod that it would were the benches heaped full, which means a great saving there. Then comes the wheeling in and then wheeling out. The less soil in the benches the sooner this work can be done, and the quicker the work is done the smaller the expense. Then when the roses are growing we find it much better to have their roots well confined as they are then much easier to handle. Too much soil is the cause of many a Beauty bench running blind all the time, with stems running along thirty or forty feet. Were the roots confined as they should be this would not be so apt to happen. With less soil in the benches, more can always be added towards spring when the plants need it, in the form of mulch whereas were the benches filled top full, none can be taken away in the winter should it happen to be a very dark one. The plants will also dry out much better in the winter if less soil is used, thus giving the grower an opportunity to give the plants more water, and the oftener the benches can be watered the better they will grow.

### Building New Benches

Here and there new benches will have to be put up and a word or two on these will not be out of place. All

joints should be painted if it is not possible to paint all the "two by fours" and boards. Care in driving nails will keep the benches from decay a great deal too. The less nails used the better. It is quite unnecessary to put two nails into a board wherever it crosses a cross piece. With good cross pieces, two nails ought to hold a sixteen-foot board in place, and they do not have to be twenties either, for eight-penny nails are long enough. It will not be necessary to use galvanized nails as the common wire nails will last as long as the boards and that is all that is necessary. One very important item is the drainage, or the space between the boards. When the plants are grown on the small amount of soil plan, the spaces between boards should not be more than half an inch, with one quarter to three eighths as the standard. This will be plenty of drainage unless there is a bench that is shaded badly, when more drainage will have to be given. Nothing is gained by leaving spaces an inch or more as these wide spaces only let a lot of earth through, making a great deal of extra work in cleaning it out from under the benches. It is hardly possible to keep only four inches of soil in the bench with such wide spaces for drainage as the watering will wash much of the soil right through, leaving the roots exposed to the air, which does them very little good and often a great deal of harm. In buying lumber be sure to order such as will fit the benches without much waste. Boards four, eight, twelve and sixteen feet long can be used without much cutting, giving preference to the latter, as the work of building can be done much quicker and it is easier to keep track of the lumber when it arrives. Narrow strips of one-ply roofing put between the cross pieces and the bottom of the bench, will shed the water away from the two-by-fours and thus make them last much longer. These should be wide enough to allow the edges to be bent down a little so that the water will run off.

### Syringing

Care should be taken not to have the plants dry when syringing. It will not hurt to water late in the afternoon, especially if the steam pipes are kept hot at night, so that there will be no excuse for not having the plants wet enough for the syringing day. The sun is very strong now and it will not take much to burn the leaves. It will not hurt the plants to be a little wet, as they will dry out fast enough if they are old plants and growing freely and the young plants can be syringed so that hardly any water is thrown on the benches. Use plenty of pressure and use an open hose if possible. It will save the leaves, and save many a length of hose, for most nozzles are hose bursters. With an open hose the work can be done very quickly so that it will not take any more water, neither will it be necessary to soak the whole house if care is taken and the one syringing keeps moving. The old way of standing in one place a long time while syringing is a little out of date. The quicker the work is done the better.

# INTERNATIONAL GARDEN CLUB FLOWER SHOW

The first attempt at an outdoor floral exhibition by the International Garden Club at Pelham Bay Park, N. Y. last week was a very creditable affair for a starter. Pelham Bay Park is the property of the City of New York but the grounds comprising thirty-five acres and the historic Bartow Mansion have been leased to the International Garden Club which has undertaken to beautify the grounds, establish trial gardens, hold frequent exhibitions in tents and in the open, to promote the preservation of our native flora and to develop by example and practice correct plant knowledge and a better style of gardening in the United States. The old manor house, at the time of the Garden Club's start in spring of last year was in a very dilapidated condition. It has been thoroughly repaired and put in fine condition for the purposes of a club house and much substantial work has been done on the grounds already including a spacious sunken parterre with fountain and pool, and which is kept bright with successive plantings of bulbs, annuals and hardy perennial material. From the start A. Herrington has taken a deep interest in the work of development and has acted in the capacity of advisory superintendent, James Macgregor being gardener. Improvement will be carried on steadily and the list of society patrons given in the program for the recent show would seem to give assurance



BARTOW MANOR AND OUTSIDE EXHIBITS

that there will be no lack of money. A nursery has already been started and among the features to be introduced right away is a rose garden 300 x 300 and nothing will be spared to make it, if possible, the finest in this country. A range of greenhouses will be erected later on. The estate has a very interesting history, dating back to early colonial days and the royal grants by which the Pell family came into possession of this beautiful estate. The little family burial ground with its crudely chiseled gravestones is preserved as one of the most interesting antiquities of this section.

The prize schedule for last week's exhibition contained the names of some twenty-five national or local so-

cieties and clubs as co-operating. The competition for the very liberal prizes offered was not as great as had been expected, the busy season undoubtedly preventing many from entering. There were many classes with no entries. The principal displays were made under a series of tents, the character of which is shown in the accompanying illustrations. The outdoor department, with the exception of the fine collections of conifers, bays, clipped boxwoods and hedge plants, was insignificant but the groups under the tents were of high character, beautifully arranged and, because of the favoring moist and pure air, the plants and flowers retained their freshness until the close of the fourth day to a degree that would not be possible in an ordinary exhibition hall. Without a doubt next year's affair will be bigger and better and the year following will show a still greater advance as plans are shaped and permanent improvements materialize.

Among the special features of last week's meeting were addresses by Geo. V. Nash on the "Bog Garden," A. P. Saunders on "Peonies," Geo. D. Pratt on "Conservation," Judge Alton B. Parker and others.

## LIST OF AWARDS.

### Commercial Classes.

- Group of Rhododendrons covering 100 sq. ft.: 1st, W. A. Manda; 2d, F. R. Pierson Co., Tarrytown, N. Y.
- Group of Hardy Ornamental Flowering Trees and Shrubs covering 200 sq. ft.: 1st, Julius Roehrs Co., Rutherford, N. J.; 2d, W. A. Manda
- Group of Orchids, arranged for effect, covering 75 sq. ft.: 1st, Julius Roehrs Co.; 2d, Lager & Hurrell, Summit, N. J.
- Group of Stove and Greenhouse Foliage and Flowering Plants, covering 100 sq. ft.: 1st, W. A. Manda; 2d, Julius Roehrs Co.
- Group of Ferns and Selaginellas, covering 100 sq. ft.: 1st, W. A. Manda; 2d, F. R. Pierson Co.
- Rock Garden, covering 250 sq. ft.: 1st, Julius Roehrs Co.
- Bay Trees, Pyramidal or Columnar, not less than 10 ft. in height: 1st, Julius Roehrs Co.
- Bay Trees, standard, head not less than 5 ft. in diameter: 1st, Julius Roehrs Co.
- Box Trees Pyramidal, not less than 7 ft.



VIEW IN TENT.

Exhibit of Julius Roehrs Co.

Photo by J. H. Lippert

high: 1st, W. A. Manda; 2d, Bobbink & Atkins, Rutherford, N. J.

Box Trees, standard, head not less than 4 ft. in diameter: 1st, W. A. Manda; 2d, Julius Roehrs Co.

Box Trees, bush, not less than 6 ft. high: 1st, W. A. Manda.

Box Trees, 6 trained plants: 1st, W. A. Manda; 2d, Julius Roehrs.

Conifers, collection of 25 plants, 25 varieties, in pots or tubs: 1st, Isaac Hicks & Son, Westbury, N. Y.; 2d, F. R. Pierston.

Group of Bedding Plants, arranged for effect, covering 200 sq. ft.: 1st, Julius Roehrs Co.

Display of Peonies, 100 sq. ft.: 1st, John Lewis Childs, Inc., Flowerfield, N. Y.; 2d, Bobbink & Atkins.

Display of Cut Hardy Flowers, 100 sq. ft.: 1st, Bobbink & Atkins.

Display of Cut Sprays of Flowering Trees and Shrubs, 100 sq. ft.: 1st, Isaac Hicks & Son.

Display of Cut Roses: 1st, F. R. Pierston Co.

#### Private Classes.

Group of Hardy Flowering and Foliage Trees and Shrubs, covering 50 sq. ft.: 1st, Mrs. Wm. G. Nichols, Rye, N. Y., gard. Geo. N. Sullivan.

Group of Orchids, covering 25 sq. ft.: 1st, Clement Moore, Hackensack, N. J., gard. J. P. Mossman.

Group of Foliage and Flowering Plants, Stove or Greenhouse, covering 50 sq. ft.: 1st, Mrs. John H. Flagler, Greenwich, Conn.

Group of Hydrangeas, covering 50 sq. ft.: 1st, Mrs. John H. Flagler; 2d, Mrs. Geo. D. Barron, Rye, N. Y., gard. James Linane.

Group of Summer Flowering Bulbous and Tuberous Plants for effect, covering 50 sq. ft.: 1st, Mrs. Geo. D. Barron.

Display of Cut Iris Flowers, 50 sq. ft.: 1st, Mrs. A. M. Booth, Gt. Neck, N. Y., gard. E. Fardel.

Display of Cut Hardy Flowers, 50 sq. ft.: 1st, Mrs. Wm. G. Nichols.

#### Special Awards.

Collection of Tulips—Wm. Shillaber, Essex Falls, N. J., gard. J. P. Sorenson.

Display of *Nemesia compacta* Triumph—Wm. Shillaber.

Group of Foliage and Flowering Plants, 100 sq. ft.—Mrs. A. M. Booth.

*Hemerocallis* Gold Dust and Java—John Lewis Childs, Inc.

*Calceolarias*, hybrids—Adolph Lewisohn, Ardsley, N. Y., supt. J. Canning.

*Brassia verrucosa*—Miss Scheffler, Sangabuck, Conn., gard. Adam Paterson, silver medal.

Collection of Herbaceous Peonies, seedlings—Miss Scheffler, silver medal.

*Calceolaria Stuartii*—Miss Scheffler.

Vase of Outdoor Grown Sweet Peas—Miss Scheffler.

Collection of Cut Flowers from Shrubs—Mrs. Wm. G. Nichols.

Exhibit of School Garden plantings, Model Gardens, etc.—Dept. of Parks, Boroughs of Manhattan and Richmond.

Collection of Cut Annual, Perennial and Bulbous Flowers—Harry A. Bunyard Co., New York.

### TO PRESERVE OUR NATIVE FLORA.

Leaflet No. 27 of the Society for the Protection of Native Plants.

We have no new message this year, but we want to remind our members of our bed-rock conviction that very many flowers of each species must be allowed to go to seed if our woods, fields, and roadsides are to retain the loveliness of wild-flower growth, and that the existence, even, of the rarer species is threatened by our careless picking. Cultivation and building necessarily restrict the areas where wild flowers can flourish, and we must endeavor to give them the best chance of holding their own in the places which are left to them.

Even when all this country was wild, the Indian, with keen and unspoiled powers of observation, had an instinctive feeling that flowers should not be ruthlessly destroyed, but should be enjoyed in their natural surroundings.

The following passages are quoted from "The Indian Today," written by Dr. Charles A. Eastman, a descendant of the Sioux tribe, who bears the Indian name Ohiyesa. He lived among his own people during his boyhood, so that he possesses both by inheritance and experience the idealistic philosophy of the Indian people.

"In his sense of the æsthetic, which is closely akin to religious feeling, the American Indian stands alone.

"In accord with his nature and beliefs, he does not pretend to imitate the inimitable, or to reproduce exactly the work of the Great Artist. The Indian did not paint nature, not because he did not feel it, but because it was sacred to him. He so loved the reality that he could not venture upon the imitation. That which is beautiful must not be trafficked with, but must be only revered and adored. It must appear in speech and action. The symmetrical and graceful body must express something of it. Beauty, in his eyes, is always fresh and living, even as God Himself dresses the world anew at each season of the year. . . . This is the spirit of the original Amer-

ican. He holds nature to be the measure of consummate beauty, and its destruction as sacrilege. . . . I have seen in our midsummer celebration cool arbors built of fresh-cut branches for council and dance halls, while those who attended decked themselves with leafy boughs, carrying shields and fans of the same, and even making wreaths for their horses' necks.

"But, strange to say, they seldom made a free use of flowers. I once asked the reason of this. 'Why,' said one, 'the flowers are for our souls to enjoy; not for our bodies to wear. Leave them alone, and they will live out their lives and reproduce themselves as the Great Gardener intended. He planted them: we must not pluck them, for it would be selfish to do so.'

#### NEW YORK STATE FAIR.

The sixty-seventh annual fair will be held at Syracuse on Sept. 11 to 16, 1916. Department I is devoted to flowers and pot plants, for which 170 prize classes have been provided, the premiums offered in the preliminary schedule totalling \$2,536.75. Charles S. Wilson is the commissioner in charge and David Lumsden, of Ithaca, will act as superintendent. Judging will begin on Monday, Sept. 11. Sept. 2 is the day for the closing of entries. In most of the classes 1st, 2nd and 3rd premiums are offered. For collection and display of roses \$100.00, \$50.00 and \$25.00 are offered. In the plant section there are some equally attractive prizes; in fact the amounts offered are liberal all through and we advise our readers to send for a copy of the schedule and make a try for some of the "mazuma."

#### A ROSE GARDEN FETE.

One of the notable events of this week was the opening to the public, on Thursday afternoon, of Admiral Aaron Ward's beautiful rose garden at Willowmere, Roslyn, L. I., N. Y. E. H. Wilson, the explorer and plant collector of Arnold Arboretum, Boston, lectured on the history of the Rose and its evolution through hybridization. The affair was under the patronage of Mrs. Robert Bacon, chairman of the American Committee of the American Ambulance Hospital, and a number of the leading society ladies of New York. The proceeds of the lecture and the bazaar will be devoted to the American Ambulance Hospital in Paris.

Clyde L. Wilkins, of Wilton, who was appointed this week Maine State horticulturist, is one of the youngest state officials. He is only 24, but has been assistant horticulturist during most of the administration of Commissioner Guptill. Mr. Wilkins is a son of Wilbur W. Wilkins, a farmer of Wilton, who carries on an orchard, where the young horticulturist got his first insight into the science. Young Wilkins graduated from Wilton Academy in 1912, and then studied for two years at the University of Maine, following which he was principal of the High School in Liberty. While at college he helped pay his expenses by milking the University cows.



VIEW IN TENT.  
Exhibit of W. A. Manda.

Photo by J. H. P. Co.

## CLUBS AND SOCIETIES

### FLORISTS' CLUB OF PHILADELPHIA.

The speaker at the 11th anniversary and year-end meeting of this club held on June 6th. His address was "The Florist's Relation to the Public," and was characterized by science, sense, scintillation and humor. In the afternoon the members. The audience was so large that the regular club rooms had to be abandoned for the larger hall upstairs. The evening wound up with games and refreshments and a jolly good time generally. The speaker at the July meeting will be Dr. John H. Washburn.

### MASSACHUSETTS HORTICULTURAL SOCIETY.

#### Change of Dates of the Peony Exhibition.

On account of the lateness of the season the Peony Exhibition of the Massachusetts Horticultural Society scheduled for June 10 and 11 will be postponed to Saturday and Sunday, June 17 and 18.

WILLIAM P. RICH, Sec.

The June meeting of the Cincinnati Florists' Society will be held Monday, June 12th. Important business is coming before the meeting.

The Annandale (N. Y.) Rose Show will be held on Tuesday, June 13, and Wednesday, June 14 (Commencement Day of St. Stephen's College).

The annual Peony Exhibition of the Massachusetts Horticultural Society will be held at Horticultural Hall, Boston, on Saturday and Sunday, June 17 and 18. Peonies are liberally provided for in the prize schedule, as are also rhododendrons, irises and hardy herbaceous flowers.

The Dalton (Mass.) Horticultural Society, which has just been formed, will hold an exhibition at the Y. M. C. A. building Aug. 25 and 26, and all persons intending to exhibit must fill out the blank furnished, not later than Aug. 21, and return it to the chairman, W. S. Dunn, manager of Flintstone farm.

Rutland, Vt., will see at least two flower shows this season, as the Garden Club plans to hold one this month and one in August, in which all of the nature and flower lovers of the city are asked to compete. The Garden Club desires first of all to beautify the city and the grounds of the various residences and to accomplish this it is offering these shows as an incentive. A peony show will be held this month, probably the last

### Meetings Next Week

#### Monday, June 12.

Cincinnati Florists' Society, Cincinnati, O.  
New York Florists' Association, New York, N. Y.  
Rhode Island Horticultural Society, Providence, R. I.  
Horticultural Society of America, New York, N. Y.

#### Tuesday, June 13.

Massachusetts Horticultural Society, Boston, Mass.

#### Wednesday, June 14.

Essex County Florists' Club, Lowell, Mass.  
Fairfield Horticultural Society, Fairfield, Conn.  
Lenox Horticultural Society, Lenox, N. Y.  
Madison County Horticultural Society, Madison, N. J.  
Tacoma Florists' Association, Tacoma, Wash.

#### Thursday, June 15.

Essex County Florists' Club, Lowell, Mass.  
New Orleans Horticultural Society, New Orleans, La.  
North Western Horticultural Society, Milwaukee, Wis.  
Tacoma Florists' Association, Tacoma, Wash.

#### Friday, June 16.

North Western Horticultural Society, Milwaukee, Wis.

### COMING EXHIBITIONS.

June 9-10, San Francisco, Amer. Sweet Pea Society, Palace Hotel.

June 9-10, New York City, American Peony Society, Meeting and Exhibition, American Museum Natural History.

June 17-18, Boston, Peony Exhibition, Massachusetts Horticultural Society, Horticultural Hall.

June 13, Oyster Bay, L. I., N. Y., Rose Show, Oyster Bay Horticultural Society.

June 16, Providence, R. I., Summer Show of Rhode Island Horticultural Society.

June 16-17, Mamaroneck, N. Y., Summer Show, Westchester and Fairfield Horticultural Society.

June 22, Worcester, Mass., Rose and Strawberry Exhibition, Worcester Horticultural Society.

June 24-25, Boston, Rose and Strawberry Exhibition, Massachusetts Horticultural Society, Horticultural Hall.

June 27-28, Hartford, Conn., Summer Show of Connecticut Horticultural Society.

June 28-29, Newport, R. I., Newport Garden Association and Newport Horticultural Society, on the grounds of the Garden Association.

July 14-15, Bar Harbor, Me., Annual Show of American Sweet Pea Society.

July 20, Worcester, Mass., Sweet Pea Exhibition, Worcester Horticultural Society.

August 3, Oyster Bay, L. I., N. Y., Dahlia Show, Oyster Bay Horticultural Society.

August 11-12-13, Boston, American Gladiolus Society, Horticultural Hall.

August 24, Worcester, Mass., Gladiolus Exhibition.

Sept. 2-9, Cleveland, Ohio, Industrial Exhibition and Fair.

September, N. Y., Sept. 11-16—New York State Fair.

Sept. 12-13, Providence, R. I., Rhode Island Horticultural Society, Narragansett Hotel.

week in June. A good many local plants were planted in flower, ever-planted shrubs or flowers about the grounds. Some of these are:



G. A. KAUFF

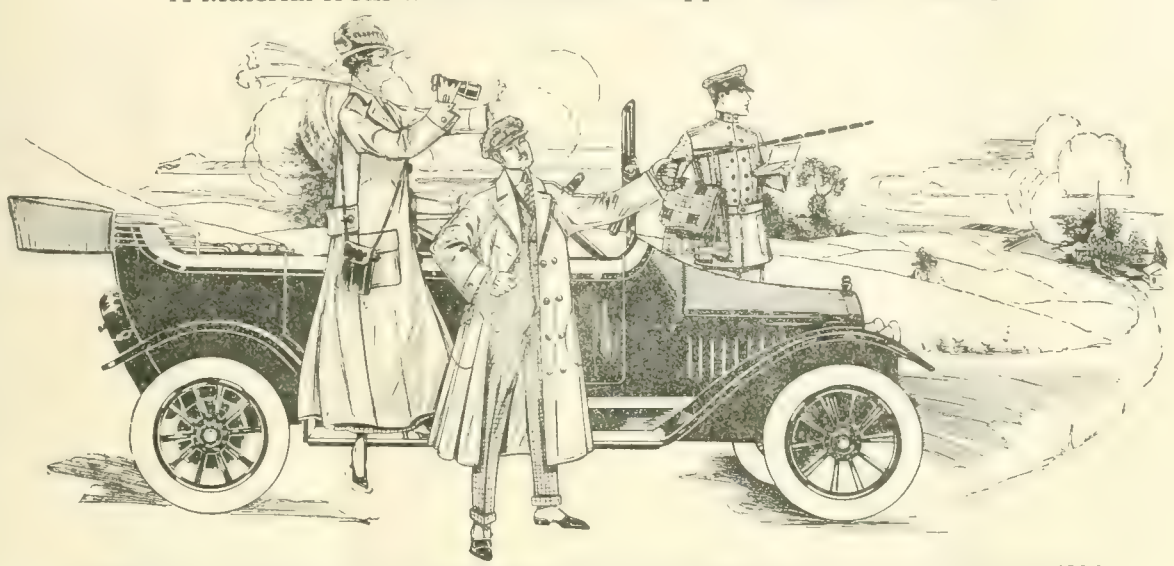
President-elect of Missouri State Florists' Association.

### A NEW EXOCHORDA.

*Exochorda Giralddii Wilsonii*. The Chinese Pearl Bush (*Exochorda racemosa*) has long been a familiar and much admired shrub in many American gardens on account of its showy racemes of large pure white flowers. Old specimens assume an open and not a very attractive habit, and lose much of their early beauty. The variety (*E. Giralddii*) which was discovered by Wilson in western China and named for him, although in its native country it is a wide-spreading shrub, in cultivation here grows like a tree with a single straight stem and comparatively short branches which form a narrow pyramidal head. The flowers are much larger than those of the old-fashioned Pearl Bush, and this new introduction promises to be a better garden plant. It is now well established in the Arboretum where several plants are now in flower, and in other Massachusetts gardens. The Chinese *Exochorda* is best known as *E. grandiflora*, but the older and correct name is *E. racemosa*. *E. macrantha*, an interesting hybrid between the Chinese *E. racemosa* and *E. Korolkowii* from central Asia, is in flower. The flowers and foliage resemble those of the Chinese plant but the branches, like those of its Turkestan parent, are much more upright in growth. *Arnold Arboretum Bulletin*.

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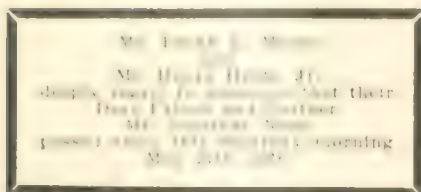
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## Obituary

Jonathan Nash.



A black-bordered card bearing the foregoing words has reached us. There are many connected with the flower business, ourselves included, who will feelingly subscribe to the sentiment carried by this brief but expressive announcement. Following so closely on the death of John Kral, who was head salesman for Moore, Hentz & Nash, the news of Mr. Nash's passing away when his convalescence was seemingly assured came as a stunning blow to the florist trade of New York City. Mr. Nash was born in Essex, England, in 1853. He came to this country 22 years ago and one year later entered the employ of the New York Cut Flower Company, afterwards becoming one of the firm of Moore, Hentz & Nash, wholesale florists. He was a gentleman of kindly disposition and unsullied character, an able and broad-minded business man, and his passing away is a great loss to the business he so faithfully followed.

The funeral was held at Grace Church on May 29 and a large representation of every department of the business was present. The pall bearers were Messrs. F. L. Moore and Henry Hentz, Jr., his business partners; C. L. Roberts and John Pritchard, representing the Bedford Floral Co.; Jos. Millang, representing the N. Y. Cut Flower Co., and Mr. Tanner, representing the retail trade. The employees of the firm also followed the pall bearers. Burial was at Woodlawn cemetery. There were many beautiful floral tributes, including a wreath from the clerks and salesmen and a blanket of lilies of the valley with cat-tleyas sent by the firm. Lily of the valley was Mr. Nash's favorite flower ever since the evening long ago when the young lady who afterwards became his bride wore these flowers at a regimental ball given by the Essex Yeomary, of which Mr. Nash was a member. Other tributes were a design in American Beauty roses from the directors of the New York Cut Flower Co., a wreath of orchids from Traendly & Schenck, a design in roses from the Bedford Floral Co. and a

quantity, worth of orchids from the Grace Church Flower Association. After the funeral service many of the flowers were distributed among the



JONATHAN NASH

poor and sick in Grace Church parish. Mr. Nash is survived by his widow, a daughter and three sons, one of the latter, A. S. Nash, being now associated with the firm.

James McBride.

The body of James McBride, a landscape gardener, who had not been seen since last Tuesday, was found in bed at his home on Kenoza avenue, Haverhill, Mass., by Frank Whitehouse of the fire department and Motor Cycle Policeman Joseph U. Ryan, who broke into the house. Medical Examiner John F. Croston found memoranda from Boston brokers which would indicate that Mr. McBride owned a large amount of valuable stock.

### WRONG IMPRESSIONS ABOUT GLADIOLUS GROWING.

My attention has been called to an article in the Country Gentleman on the growing of gladiolus bulbs and what is as a crop for farmers. Some of the statements about profits are made. What is the truth about it? E. F. G.

The many well-known and some of the newest varieties of Gladioli are beautiful and valuable to grow in the home garden, and the cultivation of them should be encouraged for several reasons. They are easy to grow, and bulbs of such varieties as America, Mrs. Francis King, and many others are very moderately priced. The flowers are delicate yet showy, and when cut keep a long time in water. In the article referred to by E. F. G., the farmer is urged to plant them commer-

cially, and a gross profit of \$4,000 per acre is mentioned on Panama. The farmer is advised to plant fourth size bulbs, which are said to produce good to high grade flowers, and additional bulbs.

A Gladiolus bulb of one-half to three-quarters inch would not be bought by any florist to use for cut flower purposes, as it will produce a small flower that would be practically unsalable on the wholesale markets, which is proven by the tens of thousands that were thrown out on the New York market the past two seasons. The finest America and Mrs. Francis King often did not bring \$1 per 100 in New York the past season, and these flowers were grown from bulbs averaging 1½ to 2½ inches in diameter. The small half-inch bulb is used for growing a larger sized bulb for flowering purposes the following season.

If you buy 1,000 large, or small, half-inch bulbs they will each produce one bulb for the next season's use and a number of small corms which require four years' growth to reach the large flowering size. The bulbs should be planted early in the spring, and in order to grow a good strong bulb from the half-inch size, the flower should either be left on the plant or be cut without a stem, as all the leaves should be left on the bulb to mature it properly. Thorough cultivation must be given to the end of the growing season. Figure just about how much you think it will cost you to weed and cultivate a lot of Gladioli, from early spring to the first frost. I feel sure you will find it cheaper to buy bulbs than to try to grow them.

I have purchased this winter for forcing largest size America and Mrs. Francis King at \$5 per 1,000 from a grower who planted 30,000 the past season and did not make expenses. A neighbor florist who has been growing 50,000 each season has sold a large proportion of his stock for the same reason. He intends growing some of the newer varieties for a few seasons, such as Panama, Peace, Augusta, and several others. Salesmen from Holland have been offering large lots of America, small size, as low as \$1.50 per 1,000.

Any farmer before going into this business should arrange for an outlet for his flowers, as I know of instances where such growers have gone to large commission houses, to find them so overloaded by regular, all-the-year consignors that they said they could not possibly handle any more stock. I was told of a young woman who went to a large Philadelphia commission house and begged them to sell gladioli for her. When told they could not possibly handle any, she began crying, and mentioned a number of other sources of outlet she had tried to no avail, and stated she read in some paper what a fortune there was in the business. It is indeed unfortunate that horticultural papers should allow such articles in their columns without investigation. The paper that protects its subscribers against such visionary schemes for money-making, as does The R. N.-Y. is of inestimable value and deserves a boost by every reader.—Elmer J. Weaver in Rural New Yorker.

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#### One Week's Imports.

Imports of horticultural material for the week ending May 20, were recorded as follows:

Plants—France, \$1,255; Italy, \$13,200.

Plants—Belgium, \$28,724; France, \$174; Italy, \$25; Netherlands, \$6,156; England, \$2,132; Bermuda, \$40; Guatemala, \$49; Cuba, \$15; Japan, \$12; Brazil, \$113; Colombia, \$464.

Red Clover Seed—France, \$1,255; Italy, \$13,200.

Clover Seed—Netherlands, \$3,518; England, \$3,041.

Other Seed—France, \$5,960; Italy, \$253; Malta, \$324; Netherlands, \$9,548; Germany, \$586; Mexico, \$1,313; England, \$20,802; China, \$2,792; British India, \$17,752; British East Indies, \$229; Hongkong, \$396; Morocco, \$4,646.

Nitrate of Potash—England, \$74,391.

Nitrate of Soda—Chile, \$50,885.

Other fertilizers—Scotland, \$77; Mexico, \$632.

Kainit—Cuba, \$300.

Seedsmen wishing to send seeds to the Argentine Republic should conform to certain requirements, which as stated by the Consul General of the Argentine Republic at New York City are, that the seed grower must make an affidavit before a notary public, the notary public attaching his jurat and official seal, stating that the seeds are free from diseases. A similar affidavit should be obtained from the county clerk and both certificates or affidavits sent to the Consul General of the Argentine Republic at New York City for certification, the fee for which is \$2.00.

CURTIS NYE SMITH.

#### A SELECTION OF DAHLIAS.

R. Vincent, Jr., gives as his selection of the best in all classes, as follows:

Best peony-flowered: Bertha von Suttner, Geisha, Germania, Gloire de Baan, Queen Wilhelmina, Queen Emma.

Best show: A. D. Livoni, Chas. Lanier, Ethel Maule, Sauve, Mme. Moreau, Yellow Duke, Zebra.

Best cactus: Countess of Lonsdale, Golden Gate, J. H. Jackson, Kalif, Marguerite Bouchon, Rene Cayeaux, Sweetbriar, Wodan, Wolfgang von Goethe.

Best pompon: Alewine, Allie Mourey, Indian Chief, Little May, Snow-clad.

Best decorative: Delice, Hortulanus, Fiet, Jack Rose, Jean Charmant, Le Grand Manitou, Papa Charmant.

Best Single Century: Ami Barillet, Fringed 20th Century, Rose Pink Century, Sensation, Setting Sun, White Century.

#### BREEDING FOR NOVELTIES

There is a popular fallacy in the recommendation, first, that *Gladiolus* should be crossed with *IRIDOPSIS* to produce striking novelties, and second, that strikingly aberrant forms be selected and bred, several crosses to produce abnormalities be used in breeding.

There is no doubt that seed gives average commercial product is desired, but exactly wrong if the object is rapid improvement of a specific kind. Extreme variations when they first appear are very apt to be accompanied by weakness and a faulty constitution, but these can be bred out by proper crossing, and the unique quality, otherwise unattainable, superposed on a robust and vigorous habit.

Experts in heredity estimate that each parent transmits about one-seventh of its own peculiar qualities to its offspring; for example, if two whites, each the offspring of colored sorts, were mated, about two-sevenths of the seedlings would show a decided tendency to whiteness. Mating these whites together should produce whiteness in a little over half the grandchildren, and so with other qualities. Nearly all our finest kinds have a long line of robust ancestors, and so reversion to robustness comes easily by crossing with a robust mate. Often it is the weaklings that show the highest development of some desired character, and this character is precious, because it can be fixed upon a robust constitution by repeated crossing.

For example, suppose we wish to produce a pure white, with flowers six inches across, of great substance, and borne on stems six feet high. Mating average normal "near-whites" would never get it, but if we mate the purest white, say a weak sort like *Europa*, with the tallest and most robust near-white, like *Queen of Europe*, and the resulting tallest and most robust near-whites back to *Europa*, and if necessary, repeat the operation, if we use enough material, we will certainly get seedlings as white as *Europa* and with the vigor of the others; and proper selection and intercrossing of these would in the end give what we want. Following this plan for only two generations has given me a strain coming mostly white with some as white as *Europa* and about 1½ inches across the flower, on strong stems, and some nearly white, large-flowered, and six feet high, and, of course, the work is only begun.

If a breeder gets a seedling with some unique and desirable character, but otherwise worthless, it is merely a matter of time and patient and judicious crossing to impose that character upon a robust and satisfactory variety, but he must make up his mind as to what he wishes to accomplish, keep track of his pedigrees (approximately, at least), and be willing to persevere through several generations in order to attain his ideal.

*Thomas L. Mead, in The Modern Gladiolus Grower.*

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Hutchison, Kan.—Parker Greenhouse Co., capital stock, \$10,000.

Sherman, Tex.—John S. Kerr Nursery Co. Incorporators, John S. Kerr, W. L. Hay and D. S. Thompson.

Sterling, Ky.—Mt. Sterling Seed Co., capital stock \$50,000. Incorporators, I. F. Tabb, M. O. Cockrell, J. H. Smith and J. L. Brown.

Jacksonville, Fla.—Dr. H. Dux & Bros., capital stock, \$30,000. Incorporators, H. M. Dux, M. M. Dux and John M. Dux.

Boston, Mass.—Gaedeke Greenhouses, Inc., capital stock, \$20,000. Incorporators, Fred D. Sperry, Julius Snyder and B. A. Snyder.

New York, N. Y.—Geo. W. Crawbuck Company, Inc., florists' supplies, capital stock, \$5,000. Incorporators, H. W. Gallaer, H. T. Phillips, G. W. Crawbuck.

#### CATALOGUES RECEIVED

W. Atlee Burpee & Co., Philadelphia, Pa.—1916 Wholesale Prices on Turnip, Winter Radish, Ruta Baga and Spinach Seed.

Baltimore, Md.—A mess hall and kitchen for Camp Conoy, recently purchased by the Boys' Department of the Y. M. C. A. on South river, near Edgewater, has been given by Charles J. Bolgiano as a memorial to his mother. The hall will be 25 by 52 feet, and will contain an up-to-date kitchen and pantry, as well as dining-room for 150 boys. Mr. Bolgiano will have the building erected in four days, and a large force of carpenters will be taken to the scene to rush the work. It will cost about \$1200. It is proposed to develop this into the finest camp for boys near any big city in the country. The site is an ideal one, hallowed by memories of Indian tribes.

## "Seeds with a Lineage" All Varieties

Thoroughly tested at our trial grounds, Raynes Park, London, England. Send for Catalogue

**CARTERS TESTED SEEDS, Inc.,** 166 Chamber of Commerce Bldg., Boston, Mass.

# PULVERIZED SHEEP MANURE

(PURITY BRAND)

We have a splendid lot of this excellent fertilizer on hand ready for immediate shipment

Price per ton, \$40; 1-2 ton, \$20; 500 lbs., \$10; 100 lbs., \$2.50

**R. & J. FARQUHAR & CO., BOSTON, MASS.**



## SEEDS for the FLORIST

**ASTERS QUEEN of the MARKET.**

The best extra early variety, large, double flowers, on long stems, in colors: Crimson, Dark Blue, Light Blue, Rose Peach Blossom, White.

Trade Packet, 20c., Oz., 75c.

Sweet Peas, Cyclamen, Primulas, Lily of the Valley, from Our Own Cold Storage Plant.

Our Trade List Mailed on Application.

**FOTTLER, FISKE, RAWSON CO., THE SEED STORE BOSTON**  
Faneuil Hall Square

## SEEDS--ONION SETS

Appreciation of a high order of Merit in Seeds and Seed Service leads naturally to purchasing from

**LEONARD SEED COMPANY**

**226-230 W. KINZIE ST., - - - CHICAGO**

Our WINTER - ORCHID - FLOWERING SWEET PEA has done well wherever grown the past winter. New List will be out in June. If not on our books already, send your name in.

**ANT. C. ZVOLANEK**

Sweet Pea Ranch Lompoc, Cal.

## KEYSTONE SNAPDRAGON

Best Winter Flowering Pink Snapdragon on the market. Per pkt., \$1.00; 6 pkts. for \$5.00.

**S. S. SKIDELSKY & CO.**

PHILADELPHIA, PA.

## LILIUM GIGANTEUM COLD STORAGE

Extra Selected Stock. Gladiolus for forcing. Nans, Colville or large flowering type. Greenhouse Fertilizers. Ask for 1916 Seed Catalogue.

Joseph Breck & Sons Corp., Seedsmen  
47-54 No. Market St., BOSTON, MASS.

## JAMES VICK'S SONS

Seedsmen, Nurserymen,  
Florists

**ROCHESTER, N. Y.**

## FORGING GLADIOLUS

All First Size Bulbs

	100	1000
America, pink .....	\$1.25	\$10.00
Augusta, white .....	1.25	11.00
Branchleyensis, red .....	1.25	10.00
Francis King, scarlet .....	1.25	10.00

**A. HENDERSON & CO.**

311 N. State St.

CHICAGO, ILL.

## Burpee's Seeds

PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES  
MAILED ONLY TO THOSE WHO PLANT  
FOR PROFIT.

## LITTLE ADS. BRING BIG RETURNS

Little ads. in our Classified Columns bring big returns to both advertiser and purchaser.

Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost. Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word  
Undisplayed

## Thorburn's GLADIOLUS

Various Choice Mixed Varieties

See our Florists' Catalogue and ask for special prices.

**J. M. THORBURN & CO.,**  
53 Barclay St., New York

## J. BOLGIANO & SON

WHOLESALE FIELD AND GARDEN SEEDS

Established 1818

Write For Our Low Prices

**LIGHT, PRATT and ELLICOTT STS.**  
**BALTIMORE, MD.**

## MIGNONETTE

IMPROVED ECLIPSE.

Superior to all others for winter blooming, exhibition, or cutting. Immense fragrant spikes 10 to 15 inches long. Greenhouse grown seed from a re-selected strain. Pkt. 25c., 1/16 oz. \$1.00. Catalogue upon application.

**THOMAS J. GREY CO., Seedsmen**  
29 So. Market St., Boston, Mass.

## BURNETT BROTHERS

Importers and Growers of

**SEEDS, BULBS, PLANTS, &c.**

98 Chambers Street, New York

**W. E. MARSHALL & CO.**  
**SEEDS, PLANTS AND BULBS**  
Horticultural Sundries

166 W. 23rd St., NEW YORK

**MICHELL'S**  
Seasonable Seeds, Bulbs,  
Plants and Supplies

Send for Wholesale Catalogue

**HENRY F. MICHELL CO.**

518 MARKET ST.

PHILADELPHIA

**ALEX. McCONNELL**611 FIFTH AVENUE  
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or interested by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or cash must accompany all orders from unknown correspondents.

Cable Address, ALEXCONNELL.

**For KANSAS CITY**

Transfer Your Orders to

**SAMUEL MURRAY**

1017 Grand Avenue

Members Florists' Telegraph Delivery

Orders for New York. Write or Phone to

**MAX SCHLING**

22 West 59th Street, Adjoining Plaza Hotel

Best Florists in the States as References.  
EUROPEAN ORDERS EXECUTED.  
Members of the Florists' Telegraph Delivery.

**The Park Floral Co.**

J. A. VALENTINE, Pres.

Members Florists' Telegraph Delivery.

**DENVER, COLORADO****DAVID CLARKE'S SONS**

Deliver orders from any part of the country to

New York City

**Or OUT-GOING STEAMERS**

Write or Telegraph

2189-2141 Broadway, New York  
Telephone 1663-1583 Columbus**YOUNG & NUGENT**42 West 28 Street  
New York

Members Florists' Telegraph Delivery

**G. E. M. STUMPP**

761 Fifth Ave.

**NEW YORK CITY**

Member Florists' Telegraph Delivery Asso.

**WORCESTER, MASS.**

Randall's Flower Shop

HARRY L. RANDALL, Proprietor.

Member Florists' Telegraph Delivery Association

**Of Interest to Retail Florists**

NEW FLOWER STORES.

Independence, Ia. R. N. Williams.

Chicago, Ill. John Michael, Independence, Ind.

Fresno, Cal. Kate Parsons, 1015 1/2 J. Street.

Montreal, Can. F. W. Bertrand, St. Charles Street West.

Appleton, Wis. Peter J. Berens, Business Men's A. &amp; O. room.

Kansas City, Mo. Fabian Flower Shop, 1715 1/2 Central Avenue.

Providence, R. I.—The Empire Floral Company, 11 Empire Street. John J. Francis is the proprietor.

**BUSINESS TROUBLES.**

Wakefield, Mass.—Charles C. Ball, Inc., Yale Ave., florists; liabilities, \$16,427.62; assets, \$114.90.

Memphis, Tenn.—Holly &amp; Malone, florists, South Dudley street, voluntary bankruptcy; assets, \$1,302; liabilities, \$3,328.

Montgomery, Ala.—Morning View Floral Co., voluntary petition in bankruptcy; liabilities, \$6,729.11, assets, growing plants and flowers.

Norwich, N. Y. Walter N. Lockrow, florist, formerly of Schenectady, N. Y., has filed a petition in bankruptcy in the federal court, N. Y., with liabilities of \$1,286 and assets of \$834.

**NEWS NOTES.**

Falmouth, Mass.—Mrs. A. G. Cushman has resigned her position with Nicol, the florist.

E. Greenwich, R. I.—Daniel King has temporary quarters for his floral business in the Arnold Block, Main street.

Cincinnati.—Pierce Julian, the leucothoe man, of Roan Mountain, Tenn., who is a delegate to the republican convention at Chicago, this week, stopped in this city on Monday. Tom Windram left for Leesburg, Fla., Monday.

**WHY**

*Jinn* The Florist?  
4 Park St., Boston, Mass.

Because Satisfaction  
Is Guaranteed

Established 1874

**DARDS**

FLORIST

N. E. Cor. 44 St. &amp; Madison Avenue, N. Y. City

(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address: Dardislor.

**JOHN BREITMEYER'S SONS**Cor. Broadway and Gratiot Aves.  
DETROIT, MICH.**Artistic Designs . . .  
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.  
Members Florists' Telegraph Delivery Association.

**GUDE BROS. CO.**  
WASHINGTON, D. C.

Member Florists Telegraph Delivery

**IN THE  
National Capital**

At your service to deliver Flowers  
or Designs on Order by Tele-  
graph or otherwise. Prompt  
Reliable Service.

**GEORGE H. COOKE**Connecticut Ave. and L St.  
WASHINGTON, D. C.

Rochester, N. Y.

**J. B. KELLER SONS,  
FLORISTS**

25 Clinton Avenue, N.

Rochester Phone 406 Long Dist. Bell Phone 2780  
Members Florists Telegraph Delivery**"THE HOME OF FLOWERS"**

The largest cut flower store in America.  
Orders for the TWIN CITIES and for all  
Northwestern points given prompt at-  
tention.

HOLM & OLSON, Incorporated  
ST. PAUL, MINN.

**THE ROSERY**

23 STEUBEN ST.

**ALBANY, N. Y.**FLOWER DELIVERIES FOR ALBANY  
AND VICINITY

Members Florists' Telegraph Delivery

**A. T. BUNYARD  
NEW YORK**

413 Madison Avenue at 48th Street.

WE GUARANTEE SATISFACTION  
MEMBER F. T. D. A.

**CHICAGO**

Send Your Orders to

**WILLIAM J.****SMYTH**Member Florists' Telegraph  
Delivery Association**Michigan Ave. at 31st Street**Prompt Auto Delivery  
Service

**THOS. F. GALVIN**  
INC.  
**NEW YORK** 561 Fifth Ave.  
Vanderbilt Hotel  
**BOSTON** 1 Park Street  
799 Boylston Street  
Deliveries to Steamers and all Eastern Ports

**CLEVELAND**

**A. GRAHAM & SON**  
5523 Euclid Ave.  
Will take good care of your orders  
Members of F. T. D. Association.

**WASHINGTON**

915 F ST. N. W.  
**F. H. KRAMER**  
Auto delivery of Designs and Flowers to  
any address in Washington.  
Stock and Work First Class

Orders Filled Day or Night for  
**CLEVELAND**  
and State of Ohio  
Complete Stock. Regular discount to Trade.  
**KNOBLE BROS.**  
1836 W. 25th St., Cleveland, O.  
Members Florists' Telegraph Delivery Ass'n.

**THE SMITH & FETTERS CO.**  
735 Euclid Avenue  
**CLEVELAND, OHIO**  
Flowers of Every Kind in Season

**SALTER BROS.**  
FLORISTS  
38 Main Street, West  
**ROCHESTER, - N. Y.**

**HESS & SWOBODA**  
FLORISTS  
Telephones 1501 and L 1532.  
1415 Farnum St.,  
**OMAHA, NEB.**

**S. A. ANDERSON**  
440 Main St., Buffalo, N. Y.  
ANDERSON service means fresh, sturdy  
Stock and prompt deliveries in BUFFALO,  
LOCKPORT, NIAGARA FALLS and  
WESTERN NEW YORK.  
Members of Florists' Telegraph Delivery.

**KERR** ORDERS FOR TEXAS  
HOUSTON, TEXAS  
The Florist Member F. T. D. Association

**IN THE HEART OF THE COMMONWEALTH**

Centrally Located for Deliveries in All Parts of New England.

**H. F. A. LANGE**125,000 Sq. Ft. of Glass  
WORCESTER, MASS.**Flowers by Telegraph**

Leading Retail Florists Listed by  
Towns for Ready Reference. Orders  
transferred by telegram or otherwise  
to any of the firms whose address is  
here given will be promptly and prop-  
erly filled and delivered.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl  
St.  
Albany, N. Y.—The Rosery, 23 Steuben  
St.  
Albany, N. Y.—William C. Gloeckner, 97  
State St.  
Boston—Thos. F. Galvin, 1 Park St.  
Boston—Penn the Florist, 124 Tremont  
St.  
Boston—Zinn the Florist, 4 Park St.  
Buffalo, N. Y.—S. A. Anderson, 440 Main  
St.  
Buffalo, N. Y.—Palmer's, 304 Main St.  
Chicago—William J. Smyth, Michigan  
Ave. and 31st St.  
Cleveland, O.—J. M. Gasser Co., Euclid  
Ave.  
Cleveland, O.—Adam Graham & Sons,  
5523 Euclid Ave.  
Cleveland, O.—Knoble Bros., 1836 W. 25th  
St.  
Cleveland, O.—The Smith & Feters Co.,  
735 Euclid Ave.  
Denver, Col.—Park Floral Co., 1643  
Broadway.  
Detroit, Mich.—J. Breitmeyer's Sons,  
corner Broadway and Gratiot Ave.  
Houston, Tex.—Kerr, The Florist.  
Kansas City, Mo.—Samuel Murray, 1017  
Grand Ave.  
New London, Conn.—Reuter's.  
New York—David Clarke's Sons, 2139-  
2141 Broadway.  
New York—Alex. McConnell, 611 5th Ave.  
New York—Young & Nugent, 42 W. 28th.  
New York—Dards, N. E. corner 44th St.  
and Madison Ave.  
New York—Max Schling, 22 W. 59th St.  
New York—G. E. M. Stumpp, 761 Fifth  
Ave.  
New York—Thos. F. Galvin, Fifth Ave.,  
at 46th St.  
New York—A. T. Bunyard, 413 Madison  
Ave., at 48th St.  
Norwich, Conn.—Reuter's.  
Omaha, Neb.—Hess & Swoboda, 1415  
Farnum St.  
Rochester, N. Y.—J. B. Keller Sons, 25  
Clinton Ave., N.  
Rochester, N. Y.—Salter Bros., 38 Main  
St., West.  
San Francisco—Pellicano, Rossi & Co., 123  
Kearny St.  
St. Louis, Mo.—Fred C. Weber, 4326-28  
Olive St.  
St. Paul, Minn.—Holm & Olson, Inc.  
Tarrytown-on-Hudson, N. Y.—F. R. Pier-  
son Co.  
Toronto, Can.—J. H. Dunlop, 8-10 West  
Adelaide St.  
Washington, D. C.—Gude Bros., 1214 F  
St.  
Washington, D. C.—F. H. Kramer, 915  
F St., N. W.  
Washington, D. C.—George H. Cooke,  
Connecticut Ave. and L St.  
Westerly, R. I.—Reuter's.  
Worcester, Mass.—H. F. A. Lange.  
Worcester, Mass.—Randall's Flower Shop,  
3 Pleasant St.

**Penn The Florist****"The Telegraph Florist"**

Member of Florists' Telegraph Delivery

124 Tremont St., **BOSTON****REUTER'S** Members Florists  
Telegraph  
Delivery

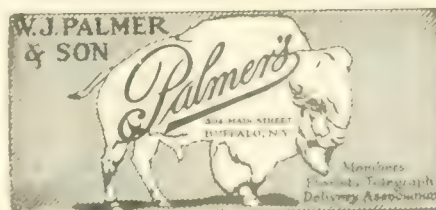
STORES IN

New London and Norwich, Conn.  
and Westerly, R. I.We cover the territory between  
New Haven and Providence**ST. LOUIS, MO.****FRED C. WEBER**  
4326-28 Olive St.Member Florists' Telegraph Delivery Association  
NOTICE INITIALS. We have one store only**THE J. M. GASSER COMPANY,****CLEVELAND**

Euclid Avenue

**The Far-Famed Flowers of  
TORONTO**Delivered on mail or telegram order for  
any occasion, in any part of the Dominion.**JOHN H. DUNLOP**  
8-10 West Adelaide St. - TORONTO, ONT.

ALBANY, N. Y.

**EYRES**  
Flowers or Design WorkDELIVERED IN ALBANY AND VICINITY  
ON TELEGRAPHIC ORDER  
11 NORTH PEARL STREET, ALBANY, N. Y.

# J. H. SMALL & SONS

## FLORISTS NEW YORK and WASHINGTON

Announce the removal of their New York store to

### 505 MADISON AVENUE, AT 52d STREET

WASHINGTON, D. C.  
15th and H Streets

### Floral and Landscape Work

NEW YORK—Waldorf-Astoria  
and 505 Madison Ave.

## NEWS ITEMS FROM EVERYWHERE

### BOSTON.

Joseph Dowd, recently with Thomas F. Galvin, New York, has been transferred to the Boston store of the corporation.

Silverman, of Winter street, has purchased two new auto trucks, one of which will be sent to the New London store and the other kept for delivery service in Boston.

The grounds at Holm Lea, Prof. C. S. Sargent's estate in Brookline, were open for the public to visit on Saturday and Sunday, June 10 and 11. The rhododendrons, irises and many other June flowering subjects were never more attractive here than they are this season.

The Polish wire-workers of Boston walked out on their employers only to return when an eight per cent. raise and Saturday afternoons were conceded to them. With the 200 per cent. increase in price of copper wire and the eight per cent. increase in wages florists' wire frames will soon go sailing.

The annual exterior plant decoration on the Wm. Filene building is exceptionally unique and interesting this year. Window boxes filled with geraniums and Japan maples, form the basis of the decoration scheme and streamers of English ivy and other trailers make a decidedly pleasing picture. John D. Twombly, of Winchester, attends to this work each year.

Mayor Curley last Monday announced the withdrawal of the name of John H. Dillon, to be chairman of the Park and Recreation Commission. Dillon's name was before the Civil Service

Commission for reappointment, but a week ago he was subjected to an attack by the Good Government Association, which branded him as inefficient and in other ways undesirable. The Civil Service Commission had planned a public hearing on the appointment. The Mayor declares that Dillon will continue to hold office and that confirmation of a reappointment is not necessary. He charges that Secretary Bottomly, of the Good Government Association, is attempting to play politics and that a short time ago Bottomly opposed public hearings for appointments.

### PROVIDENCE, R. I.

The florists of Providence and other sections of Rhode Island turned out 77 strong in the "preparedness" parade in Providence last Saturday, which proved the greatest civic demonstration ever witnessed here. Robert Johnston was marshal of the Florists' Division and his aids were Alexander Macrae and Maxwell Villar. The firms represented in the division included the following: Nelson W. Aldrich estate, Johnston Brothers, William Appleton, T. R. Peterson, M. Sweeney, O. H. Williams & Sons, Westminster Greenhouses, S. H. Toher & Sons, Joseph Koppleman & Company, Smith the Florist, William Bowers, Lawrence Hay, William Hay, T. O'Connor, Willis S. Pino, George Johnson & Son, John A. Macrae, Alfred M. Powell, R. J. Taylor, E. E. Howard, Francis Luther, Thomas Mack and V. Bernarducci. The committee in charge of the arrangements for the Florists' Division were Robert Johnston (chairman), James Dillon, Mrs. I. Dickinson, William H. O'Connor, Lawrence Hay, Alexander Macrae and Herbert West. S. A. G.

Baldwinville, Mass.—Frank Cogswell of New Salem has purchased two 100-ft. greenhouses here and will engage in cucumber forcing.

### CHICAGO.

Some big orders are going out today for the Billings-Nickless wedding. Both church and house will be profusely decorated, the former banked with peonies and lilies against cibotiums, and the latter calling for quantities of roses. C. A. Samuelson has the greater share of the orders judging from the way his buyer was picking up stock.

August Poehlmann does not share the opinion of many that the American Beauty is declining in value as a commercial flower but only wishes that their 18 houses devoted to this flower, numbered 36 instead. Orchid plants are coming from this firm's collector in South America and another collector is now working in the Philippines. It is between seasons for cutting but the gigas are doing exceptionally well and the cool spring favors a fine crop soon.

"Preparedness" was celebrated to such an extent June 3rd that local florists missed a large part, and in some cases nearly all of their Saturday trade. With all the other lines of business suspended, it would be little trade outside of funeral and wedding orders that would come to them and many closed their stores at noon. When "old glory" is in every conspicuous place possible, even flowers are forgotten for the time. Some of the down-town florists had appropriate window decorations.

May covered a range of 50 degrees temperature with less sunshine than normal. The month was cold and windy and shrubbery was in bloom but a few days. Outdoor tulips were

FLOWERS BY TELEGRAPH

## SAN FRANCISCO

CALIFORNIA

### Pelicano, Rossi & Co.

129 KEARNY ST.

## HIGH GRADE PLANTS

For Retail Stores a Specialty

ASK FOR LIST

THOMAS ROLAND, Nahant, Mass.

# PROFITS PROFITS PROFITS

## "HERE COMES THE BRIDE"

There's Money in June Weddings and June Graduations and Commencement Days for the Florist **WHO KNOWS HOW TO PLEASE.**

We can supply you with strictly up-to-date accessories, which you **must** have if you want to give satisfaction. Stock up now and have the goods to show customers. Send for prices and you will be astonished to see how much you can do with a little money when you go straight to headquarters—**THE FLORISTS' SUPPLY HOUSE OF AMERICA.**

# H. BAYERSDORFER & CO.

1129 Arch Street, PHILADELPHIA, PA.

blown to pieces almost as soon as they opened. The prolonged season has been a decided help to the plantsmen and nurserymen. Bedding stock is in unusually good demand and the quality generally excellent.

Peterson's Nurseries and the Geo. Wittbold Co. generously gave of their time and material in the decorations of the Blackstone Theatre where the Woman's Congressional Union lunches their party this week. The entire stage is crossed twice, low in the front and high in the back, by a white lattice with clinging vines, and the effect is very striking. At either end and in the hotel parlors are masses of hydrangea plants.

### PHILADELPHIA.

Dennis T. Connor, of the Lord & Burnham Co., has recovered from his serious illness and went on duty again June 1st.

Commodore John Westcott's club opening at Waretown is scheduled for the 23rd inst. The invitations are not out yet and who the lucky ones are to be this year is not yet known.

The Stafford Flower Farms (Edward A. Stroud, prop.) devoted to the culture of carnations and doing also a local florists' business, have been leased by Alfred M. Campbell.

Charles Sim has been suffering from a severe attack of asthma and bronchitis the past few weeks. He left on June 8th for a short vacation. The sea breezes at Atlantic City ought to do him good.

### OUT OF THE GINGER JAR.

Our old friend Duncan McCaw, late of Craig's and now on his own at Norwood, flashed a new delivery auto into town the other day and nearly blinded us all with its splendor. It's even got a coat of arms—besides the name and address of the firm—on the outside. And the motto: "Virtus coronat opus" (merit crowns the work)—"that's going some," isn't it? If Duncan dares to send in anything but first-class stock on that wagon, we are justified in shooting holes in the motto—and can say for ourselves "Vincit omnia veritas" (truth conquers all things). Gwan with your old Latin, Duncan; Give us some Gaelic. G. C. W.

### PITTSBURGH.

David Fraser, supt. of H. C. Frick's Pittsburgh estate, spent a few days in New York last week.

Mrs. James M. McGrew is convalescing in Columbia Hospital after an operation for appendicitis. Mr. McGrew is head salesman for G. P. Weaklin & Co. Miss Helen Ingraham has been added to the sales staff of the same firm.

William A. Clarke of the Pittsburgh Cut Flower Co., with Mrs. Clarke, will be in the party of 180 Pittsburghers leaving next Tuesday to attend the Knights Templar Conclave at Los Angeles. Their intention is to be absent one month.

Owing to an unusual scarcity of laboring men, landscape work is prov-

ing somewhat of a disappointment. The orders for this work have been unusually large in numbers and dimensions, and if possible to carry out as was originally intended and expected, would have far more than compensated for any previous dearth of work in this line. As it is, however, the spring season of 1916 will long be remembered as a red-letter era in landscape architecture and gardening.

### J. H. SMALL & SONS' NEW FLOWER STORE

A glance at the picture which we use as a cover illustration this week will perhaps give a much better idea of this palatial floral establishment than any wordy description that we may try to give, particularly as to dimensions and various statistics, which really count for but little. Messrs. Small & Sons feel that they have in this new place at 52nd street and Madison Ave., New York, the finest retail flower emporium on the continent and we are inclined to agree with them. Certainly they have the space and accessories for every department of the work and in decorative effect and artistic impression it would seem there is nothing more that could be added. The place is indeed an exhibition in itself and an object lesson in its daily-changed arrangement, in decorative art, where simplicity and elegance give expression to refined taste in everything that can make a leading metropolitan flower store worthy of the name.

## A Florist's Necessity

# HART'S HANDY HANDLE

Fits securely on any standard pot and by the use of a little chiffon or ribbon gives you a Basket effect at a very small additional expense, increasing the price of your plants 100 per cent.

1	12 inches high, \$2.50 per doz.	4	24 inches high, \$5.00 per doz.
2	15 " " 3.50 " "	5	30 " " 6.50 " "
3	18 " " 4.00 " "	6	36 " " 9.00 " "

At Your Dealer's or Direct.

**GEO. B. HART, Manufacturer, 24 to 30 Stone Street, Rochester, N. Y.**

# PEONIES

IN ANY QUANTITY

Extra fine dark pink and large white

Good Stock, \$4 per 100

The Best, \$6 per 100

**THE LEO NIESSEN CO.**

Wholesale Florists

1201-05 Race Street,

PHILADELPHIA, PA.

## EDWARD REID WHOLESALE FLORIST

1619 - 21 Runstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES  
and all Seasonable Varieties of Cut Flowers

## REED & KELLER Florists' Supplies

112 West 25th St., New York

We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Decorative Glassware, Growers and  
Florists' Requisites

## Wired Toothpicks

Manufactured by

**W. J. COWEE, Berlin, N. Y.**

10,000...\$1.85. 50,000...\$8.00. Sample free.  
For sale by dealers.

## E. G. HILL CO.

Wholesale Florists

**RICHHMOND, IND.**

Please mention Horticulture when writing.

## MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH.

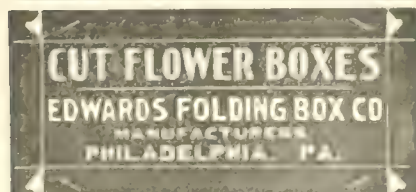
Telephone 2860 Madison Square

## WOODROW & MARKETOS

WHOLESALE

## Plantsmen and Florists

37 and 39 West 28th St., NEW YORK



DAVID WELCH

EDWARD J. WELCH

# WELCH'S

Wholesale & Commission Florists

**FLORISTS' SUPPLIES**

280-282 Devonshire Street,

BOSTON, MASS.

Tel. Fort Hill 1964-1965

# POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around  
**72-74 EAST RANDOLPH ST., - - - CHICAGO.**

If interested, send us your name and address for our weekly price list

# WELCH BROS. CO. Wholesale Cut Flower Market

Daily consignments from  
leading growers

Full line of Florists'  
Supplies

Write for quotations before  
ordering elsewhere

**226 DEVONSHIRE ST.,  
Telephone, Main 6267-6268**

**BOSTON, MASS.**

## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON June 8		ST. LOUIS June 5		PHILA. June 6	
<b>Roses</b>						
Am. Beauty, Special	15.00	to 25.00	1.00	to 25.00	20.00	to 25.00
" " Fancy and Extra	10.00	to 15.00	6.00	to 10.00	12.00	to 15.00
" " No. 1	1.00	to 6.00	1.00	to 5.00	3.00	to 10.00
Russell, Hadley	4.00	to 12.00	5.00	to 12.00	3.00	to 20.00
Killarney, Richmond, Hillingdon, Ward, Extra	1.00	to 7.00	4.00	to 7.00	5.00	to 8.00
" " Ordinary	3.00	to 4.00	2.00	to 3.00	2.50	to 4.00
Arenburg, Radiance, Taft, Key, Extra	6.00	to 8.00	.....	.....	5.00	to 8.00
" " Ordinary	3.00	to 5.00	.....	.....	1.00	to 4.00
Ophelia, Mock, Sunburst, Extra	6.00	to 10.00	6.00	to 8.00	5.00	to 10.00
" " Ordinary	3.00	to 6.00	3.00	to 4.00	2.00	to 5.00
Carnations, Fancy	2.00	to 3.00	2.00	to 3.00	2.00	to 4.00
" " Ordinary	2.00	to 2.50	.75	to 1.00	1.00	to 1.50
Cattleyas	4.00	to 50.00	30.00	to 40.00	25.00	to 60.00
Dendrobium formosum	.....	to 35.00	.....	to 10.00	.....	to 10.00
Lilies	6.00	to 8.00	4.00	to 5.00	6.00	to 8.00
Lily of the Valley	2.00	to 5.00	3.00	to 4.00	2.00	to 5.00
Dahlias	1.00	to 2.00	.25	to .35	.40	to 1.00
Mignonette	1.00	to 2.00	3.00	to 4.00	.....	to 10.00
Snapdragon	.....	to 6.00	3.00	to 4.00	2.00	to 8.00
Peonies	2.00	to 6.00	4.00	to 6.00	2.00	to 5.00
Gladioli	2.00	to 6.00	4.00	to 6.00	8.00	to 6.00
Calendulas	1.00	to 2.00	2.00	to 3.00	1.00	to 3.00
Stocks	1.00	to 3.00	2.00	to 4.00	1.00	to 3.00
Sweet Peas	1.00	to 1.00	1.00	to 1.00	.40	to 1.00
Gerdesias	12.00	to 15.00	10.00	to 20.00	.....	to 10.00
Adiantum	.....	to 1.00	1.00	to 1.95	.....	to 1.00
Saxilas	18.00	to 18.00	19.00	to 20.00	20.00	to 25.00
Asparagus Plumosus, & Spreng. (100 Bobs.)	25.00	to 35.00	25.00	to 50.00	25.00	to 50.00

## WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - - BUFFALO, N. Y.

# J. A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and  
CARNATIONS  
A Specialty

WHOLESALE  
GROWER of

**CUT FLOWERS**

In writing to Advertisers kindly mention Horticulture

## Flower Market Reports

Monday, June 5, was a **BOSTON** record day on wedding decorations among the retail florists. Penn alone reports 29 affairs on that day. While the retailers are thus rushed with business the wholesale markets are lying in a state of coma, due to the fact that the growers are shipping in more stock than the market can possibly use, especially snapdragon and sweet peas, and there is practically no sale for them. The stores are clamoring for Hadley, Ophelia and Ward roses, however, for these colors are most popular for graduations and receptions. Lily of the valley has come into its own again, for this month at any rate, and is still a prime favorite for wedding bouquets. This week will see the last of the outdoor crop of lily of the valley. Cattleyas are plentiful and are being sold in goodly numbers. Marguerites are moving fairly well. Darwin tulips are shortening up. Lilies and callas lie inert. Long American Beauties are in better shape than the short lengths, but neither are selling heavily.

Stock for Memorial Day **BUFFALO** was not scarce—at least on Monday and Tuesday. A few days prior more stock could have been used to advantage, especially carnations, but there was an enormous supply of tulips, lily of the valley, and a lot of other outdoor material, and indications pointed toward a record-breaking Memorial Day business. But there was too much rain, and too many lilacs which come at this time had a tendency to lessen the sales of indoor material. Some peonies were handled, but there was no demand whatever and the supply on everything else was heavy. Following Memorial Day there was an oversupply on all lines and the demand was very light on everything. Rain storms galore and no speculative buying caused the market to fill up heavily and on Saturday bargain signs unloaded only a portion of the heavy receipts.

The first week of June **CHICAGO** has been one in which few in the trade have found profits large. Business has been very erratic. Some days, especially parade day, sales were few and the curbstome merchants did business at the "two dozen for a quarter" rate in roses and carnations. There was an accumulation of stock very hard to move to advantage. Shipping trade which always uses up most of the best grades of stock has suffered somewhat from the strike and the commencements are hardly yet in order. Local demand is confined mostly to funeral work and weddings, the latter reported by some downtown retailers to be aggregating well. Social events connected with the political conventions are also using up some of the best stock. Probably the number of corsages seen on the streets is the main floral feature of the week, orchids being the favorite. There is any amount of all kinds of flowers coming in daily and buyers can be assured of getting anything their trade demands at moderate cost.



## FOR THE JUNE GIRL

Peonies in all colors, mostly the newer varieties. Wonderful quality, the best ever offered at this time of the year

Medium quality, \$3 and \$4 per 100  
Choice " \$5 and \$6 per 100  
Special prices in large quantities

**RAMBLER SPRAYS**, the first cuts are now coming from Washington, then comes Baltimore, Philadelphia and New York

\$6 to \$25 per 100 sprays

## S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

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1608-1620 Ladlow St. 117 W. 28th St. Franklin & St. Paul Sts. 1216 H St., N. W.

## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	<b>CINCINNATI</b> June 5		<b>CHICAGO</b> May 25		<b>BUFFALO</b> June 5		<b>PITTSBURG</b> June 5	
<b>Roses</b>								
Am. Beauty, Special.....	35.00	to 40.00	30.00	to 35.00	20.00	to 25.00	15.00	to 20.00
" " Fancy and Extra.....	25.00	to 30.00	20.00	to 30.00	15.00	to 20.00	10.00	to 15.00
" " No. 1.....	10.00	to 20.00	6.00	to 15.00	10.00	to 15.00	6.00	to 8.00
Russell, Hadley.....	8.00	to 12.00	3.00	to 20.00	.....	to 6.00	10.00	to 10.00
Killarney, Richm'd, Hill'don, Ward	6.00	to 8.00	8.00	to 10.00	6.00	to 8.00	6.00	to 8.00
" " " Ord.	3.00	to 5.00	3.00	to 6.00	3.00	to 6.00	3.00	to 4.00
Arenburg, Radiance, Tah, Key, Ex.	6.00	to 8.00	8.00	to 10.00	5.00	to 6.00	.....	to 6.00
" " " Ord.	3.00	to 5.00	4.00	to 8.00	3.00	to 4.00	.....	to 6.00
Ophelia, Mock, Sunburst, Extra	6.00	to 8.00	8.00	to 12.00	.....	to 8.00	6.00	to 10.00
" " " Ordinary	3.00	to 5.00	4.00	to 5.00	4.00	to 6.00	3.00	to 4.00
<b>Carnations</b>								
" " Fancy.....	2.00	to 3.00	5.00	to 6.00	9.00	to 2.50	2.00	to 3.00
" " Ordinary.....	.....	to 1.50	3.00	to 4.00	1.00	to 2.00	1.00	to 1.50
<b>Cattleyas</b>								
Dendrobium formosum.....	.....	to 50.00	50.00	to 75.00	40.00	to 50.00	50.00	to 60.00
<b>Lilies</b>								
Lily of the Valley.....	8.00	to 10.00	8.00	to 12.00	6.00	to 10.00	6.00	to 10.00
" " " ".....	.....	to 5.00	3.00	to 5.00	4.00	to 6.00	4.00	to 5.00
<b>Daisies</b>								
Mignonette.....	4.00	to 6.00	4.00	to 6.00	1.00	to 2.00	.....	to 6.00
<b>Snapdragons</b>								
" " " ".....	6.00	to 8.00	6.00	to 8.00	3.00	to 6.00	.....	to 6.00
<b>Peonies</b>								
" " " ".....	3.00	to 4.00	4.00	to 8.00	3.00	to 4.00	2.00	to 8.00
<b>Gladioli</b>								
" " " ".....	4.00	to 6.00	3.00	to 10.00	3.00	to 6.00	4.00	to 8.00
<b>Calendulas</b>								
" " " ".....	.....	to 2.00	2.00	to 3.00	1.00	to 3.00	.....	to 6.00
<b>Stocks</b>								
" " " ".....	2.00	to 3.00	3.00	to 5.00	1.50	to 3.00	.....	to 6.00
<b>Sweet Peas</b>								
" " " ".....	.50	to .75	.50	to 1.50	.50	to 1.00	.30	to .75
<b>Gardenias</b>								
" " " ".....	.....	to 1.00	1.00	to 1.25	1.00	to 1.25	1.00	to 1.25
<b>Adiantum</b>								
" " " ".....	.....	to 1.00	1.00	to 1.25	1.00	to 1.25	1.00	to 1.25
<b>Smilax</b>								
" " " ".....	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00
<b>Asparagus Plu. &amp; Spreng.</b> (100 Rhs.)	25.00	to 30.00	25.00	to 30.00	20.00	to 30.00	35.00	to 50.00

Business last week **CINCINNATI** was fairly good but this week has shown a decided falling off. The supply is very heavy and there is only a weak demand for it. As far as quality is concerned the best stock is a limited number of summer roses. American Beauties, certain carnations, gladioli, lilies and outdoor sweet peas. All are plentiful. Lily of the valley, snapdragon, corn flower, coreopsis and water lilies are all excellent and in fair supply. New ferns and wild smilax are meeting with a good call.

The wholesale market of this metropolis for the past week and more has not been a market but an exhibition. Never before have so many flowers been seen here at one time as one sees piled high on the tables and in the windows of the wholesale district this present week. The quantity sent in daily is apparently limitless; the quantity legitimately sold is negligible. Scores—possibly hundreds—of push-carts are to be seen on the streets, heaped high with carnations and peonies mainly, with

placards bearing the price "flowers 1 cent each." Besides the avalanche of peonies and carnations there are exposed on the sales counters of the wholesalers untold quantities of sweet williams, coreopsis, irises, pyrethrus, lilies, stocks, centaureas, sweet peas, etc., not to mention the roses in all varieties and all grades which encumber the cellars and refrigerators waiting for a purchaser. Cattleyas have suddenly taken a downward plunge, too, and Mossias are at 10c. are easy to find. American Beauty roses have stiffened up and if good, will bring a good figure. The yellow daisy market, normally excellent, has been completely broken up by heavy consignments from Boston where this crop is a specialty with a number of growers. The conditions above described are regarded as only temporary and as soon as the peonies are through improved conditions are confidently looked for.

Since Memorial **PHILADELPHIA** Day trade here has been fairly brisk but the supply of flowers has

(Continued on page 802)

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Wholesale Commission Florist  
Choice Cut Flowers

New Address, 143 West 18th St., NEW YORK  
Telephones: 2200, 2201, Madison Square.

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55 and 57 West 26th Street  
Telephone No. 764  
Madison Square **New York**

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Wholesale Florist

107 W. 28th Street, NEW YORK

Telephone 5335, Farragut.

Call and inspect the Best Establishment  
in the Wholesale Flower District

**GEO. C. SIEBRECHT**

WHOLESALE FLORIST

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CONSIGNMENTS SOLICITED

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WHOLESALE FLORISTS

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Consignments Solicited

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Ferns, Mosses, Wild Smilax, Galax,  
Leucothoe, Palmetto, Cycas, both fresh  
cut and prepared.

Laurel, Hemlock, all Decorative Evergreens.

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Brooklyn's Foremost and Best

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A First Class Market for all CUT FLOWERS

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FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.  
Telephone 3870 Farragut.

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**RIEDEL & MEYER, Inc.**

Wholesale Commission  
READY FOR BUSINESS

49 WEST 28th ST. NEW YORK.

**P. J. SMITH**

WHOLESALE COMMISSION FLORIST SELLING AGENT FOR  
LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes

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Prices Right. Consignments Solicited. Telephone Connection

HEADQUARTERS FOR NOVELTIES

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THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND

GARDENIAS, DAISIES, ROSES, CARNATIONS

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WHOLESALE FLORISTS, 34 West 28th St., New York

Telephones 1684 / 1605 / Madison Square

CONSIGNMENTS SOLICITED

NEW YORK QUOTATIONS PER 100. To Dealers Only

**ROSES AND CARNATIONS**

	Last Half of Week ending June 3 1916		First Half of Week beginning June 5 1916	
American Beauty, Special	20.00	to 40.00	20.00	to 40.00
" " Fancy and Extra	10.00	to 15.00	10.00	to 15.00
" " No. 1	3.00	to 6.00	3.00	to 6.00
Russell, Hadley	4.00	to 20.00	2.00	to 30.00
Killarney, Richmond, Hillingdon, Ward, Extra	3.00	to 6.00	3.00	to 6.00
" " Ordinary	50	to 2.00	.50	to 2.00
Arenburg, Radiance, Taft, Key, Extra	3.00	to 6.00	3.00	to 6.00
" " Ordinary	.50	to 2.00	.50	to 2.00
Ophelia, Mock, Sunburst, Extra	4.00	to 8.00	4.00	to 8.00
" " Ordinary	1.00	to 3.00	1.00	to 3.00
Carnations, Fancy	1.50	to 2.00	1.50	to 2.00
" " Ordinary	1.00	to 1.50	1.00	to 1.50

**WALTER F. SHERIDAN**

Wholesale Commission Dealer in

**CHOICE CUT FLOWERS**

133 West 28th Street, New York

Telephone—3532-3533 Madison Square

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**TRAENDLY & SCHENCK**

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436 6th Avenue, Between 26th and 27th Sts., New York

Telephones: 797-798-799 Farragut

Consignments Solicited

**WALTER R. SIEBRECHT CO.**

Incorporated

Wholesale Commission Florists

Orchids, Gardenias and Many Unusual  
Flowers of Quality.

114 West 28th Street  
NEW YORK

**HENRY M. ROBINSON CO. OF NEW YORK**

WHOLESALE FLORISTS

55-57 West 26th Street

Telephones, 13-8510 Madison Square

Consignments Solicited

MAURICE L. GLASS, Treasurer

## Flower Market Reports

(Continued from page 801)

been greatly in excess of what the market could absorb. This was especially the case with peonies of which the supply was ten times the demand. Of course this redundancy in the peony had a more or less depressing effect on all other lines. In the rose market Beauties and Hadley sell best. Other roses are very sluggish. Carnations are much more plentiful and prices have dropped considerably. There is a fair cut of orchids and the call for them is excellent. Cattleyas are especially good and come in very nicely for the June girl requirements, along with red roses. The delphinium and the gladiolus continue in good supply and of excellent quality with the demand very good, all things considered. Coreopsis has made its appearance and will no doubt find some sale while the novelty lasts.

The prices, supply and demands for cut flowers are considered fair for this season all around since Decoration Day. There are plenty of carnations and peonies, although at time of writing there is not an over supply of roses. Of the latter, the long-stemmed grades predominate, although the short-stemmed flowers are now coming in better than for some time.

An abundance of stock at very moderate prices dominates the market conditions here at present. The retailers report much trading and no complaints are made because of poor business. With the usual number of weddings and the summer graduation of schools and other institutions at hand the florists here predict that the present month will be exceptionally busy. White orchids were a prohibitive flower last week. Failing to get any of this stock from the leading growers in New England and New York, it became necessary to purchase in the Boston retail market.

While Memorial Day business was not as good as the year previous everybody is satisfied, but they say that more business could have been done had it not been for the boosting of prices by the wholesalers for this day. On the night after the bottom dropped out again. Retailers found that the public would not stand for the sudden rise in price. They bought heavy in the plant line. The market had been crowded up all week with good stock and low prices except on Memorial Day. Roses, carnations, sweet peas, cape jessamine, peonies and a lot of outdoor stock are in abundance and trade somewhat slow.

**Albany, N. Y.**—All the florists here are booked to participate in the "preparedness" parade which will take place on Wednesday, June 14. Another matter in which the trade and the Florists' Club especially are actively promoting is that of the presentation of bouquets to the school graduates, one bouquet to accompany each diploma. Thos. Tracey is chairman of a committee to wait upon the Board of Education to urge favorable action on this proposition.

## PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

TELEPHONE MAIN 2698

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A.M.

### NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending June 3 1916		First Half of Week beginning June 5 1916	
Cattleyas	25.00	to 35.00	10.00	to 25.00
Dendrobium formosum	20.00	to 25.00	20.00	to 25.00
Lilies	3.00	to 5.00	2.00	to 5.00
Lily of the Valley	1.00	to 3.00	1.00	to 3.00
Daisies	.50	to 1.00	.50	to 1.00
Mignonette	1.00	to 3.00	1.00	to 3.00
Snapeadragon	2.00	to 6.00	2.00	to 6.00
Peonies	1.00	to 2.00	1.00	to 2.00
Gladioli	2.00	to 4.00	1.00	to 3.00
Calendulas	1.00	to 2.00	1.00	to 2.00
Stocks	1.00	to 2.00	1.00	to 2.00
Sweet Peas	.75	to .75	.15	to .75
Gardenias	4.00	to 12.00	4.00	to 12.00
Adiantum	.50	to 1.00	.50	to 1.00
Smilax	10.00	to 12.00	10.00	to 12.00
Asparagus Plumosus, & Spreng (100 bunches)	15.00	to 25.00	15.00	to 25.00

## I Can Sell Them For You!

I have an unlimited market for your flowers, any variety, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty-eight years in the Cut Flower Commission Business.

Write for information or call and talk it over.

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167 & 3058 Farragut

**J. K. ALLEN**

118 West 28th Street  
NEW YORK

Established 1888

Tel. 551 Farragut

## GUNTHER BROS.

Wholesale Commission Florists  
110 West 28th St., New York  
We Solicit Consignments of New  
England Grown Novelties.

## J. J. COAN, INC.

115 WEST 25TH STREET  
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EVERYTHING IN CUT FLOWERS  
CONSIGNMENTS SOLICITED

## ROBERT DYSART

CERTIFIED PUBLIC ACCOUNTANT

Simple methods of correct accounting  
especially adapted for florists' use.  
BOOKS BALANCED AND ADJUSTED.  
40 STATE ST. . . . . BOSTON  
Telephone Main 24.

### A NEW WHOLESALE FLOWER HOUSE.

David Welch and Edward J. Welch announce that they have severed connection with the corporation of Welch Bros. Co. and have opened their wholesale flower market at 280 Devonshire street, Boston, under the title of Welch's. It is hardly necessary for us to say here that HORTICULTURE wishes Messrs. David and E. J. Welch abundant success in their new enterprise. Their whole business life has been spent in the wholesale flower and supply trade and their record is one of industry and integrity. The new headquarters which they have acquired is admirably adapted for their

## UNITED CUT FLOWER CO., INC.

Flowers Sold on Commission  
Consignments of  
Good Stock Solicited

PERCY W. RICHTER, Mgr., NEW YORK  
111 W. 28th Street

## HERMAN WEISS

Wholesale Florist

Experienced, Progressive and can handle shipments of growers' product satisfactorily.

106 West 28th St., NEW YORK  
Tel. Farragut 3066.

STRAIGHT WHOLESALE ONLY

## FRANK MILLANG

CUT FLOWERS

55-57 W. 26th St., NEW YORK  
NO DESIGNS MADE UP

purpose, located right in the flower market district and a complete equipment has been put in which meets every requirement for the reception, care and shipment of stock.

Taunton, Mass.—V. B. Olson has purchased E. F. Rose's greenhouses at 20 Bay street and will take possession July 1st.

## WE ARE WHOLESALE FLORISTS

We handle every variety of cut flowers. We have 22 years' experience behind us, and we do not expect a good model for doing our full duty by our consignors and customers. You cannot go very far wrong when dealing with us.

## GUTTMAN & RAYNOR, Inc.

101 West 28th Street, NEW YORK  
Phones 2036, 2037, 558 Farragut

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Buyers wishing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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Asparagus Plumosa Seedlings, \$5.00 per 1000. Ready May 1st. COLLINGDALE GREENHOUSES, Collingdale, Pa.

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BAY TREES. Write for wholesale price list.  
JULIUS ROEHRS CO., Rutherford, N. J.

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## BEGONIAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.  
For page see List of Advertisers.

A. M. Davenport, Watertown, Mass.  
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## BEGONIAS

Lorraine, 2 1/2 in. pots, \$12.00 per 100; Cincinnati, 2 1/2 in. pots, \$15.00 per 100. Mrs. J. A. Peterson (New), 2 1/2 in. pots, \$25.00 per 100; \$200.00 per 1000.  
JULIUS ROEHRS CO., Rutherford, N. J.

## BOILERS

Kroeschell Bros. Co., Chicago.  
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King Construction Co., North Tonawanda, N. Y.

"King Ideal" Boiler.

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Lord & Burdell Co., New York City.  
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Hitchings & Co., New York City.  
BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.  
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Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

## BOX TREES

BOX TREES—Standards, Pyramids and Bush. Price list on demand.  
JULIUS ROEHRS CO., Rutherford, N. J.

## BULBS AND TUBERS

J. M. Thorburn & Co., New York City.  
Gladliol.  
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Ralph M. Ward & Co., New York City.  
Lily Bulbs.  
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August Rolker & Sons, New York City.  
Forcing Bulbs and Plants.  
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R. & J. Farquhar & Co., Boston, Mass.  
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Chas. Schwake & Co., New York City.  
Horticultural Importers and Exporters.  
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A. Henderson & Co., Chicago, Ill.  
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Burnett Bros., 98 Chambers St., New York.  
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Henry F. Mitchell Co., Philadelphia, Pa.  
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Joseph Breck & Sons Corp., Boston, Mass.  
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W. E. Marshall & Co., New York City.  
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Arthur T. Boddington Co., Inc., New York City.  
Japan Lily Bulbs.  
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Fottler, Flske, Rawson Co., Boston, Mass.  
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Bremond Freres, Olloulous Var., France.  
Agent, Jacques Courtine, New York City.  
French Bulbs.

John Lewis Childs, Flowerfield, L. I., N. Y.  
Gladliol.

C. REIR & SONS, HILLEGOM, Holland.  
Bulbs of all descriptions. Write for prices.  
NEW YORK Branch, 8-10 Bridge St.

## CARNATIONS

Cottage Gardens Co., Inc., Queens, N. Y.  
New Carnations Catalogue May 1st.  
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Wood Bros., Fishkill, N. Y.

For page see List of Advertisers.

F. Dörner & Sons Co., Lafayette, Ind.  
For page see List of Advertisers.

## CARNATION STAPLES

Split carnations quickly, easily and cheaply made. Pillsbury's Carnation Staple, 1000 for \$1.00, 2000 for \$1.00 postpaid. I. L. PILLSBURY, Galesburg, Ill.

## CANNAS

Rowan J. Irwin, New York City.  
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Newest list of the newest Cannas just out. Complete assortment of the finest sorts, at remarkable rates.

Send for list today.

THE CONARD & JONES CO.

West Grove, Pa.

## CHRYSANTHEMUMS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

Pompon Chrysanthemums.  
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Elmer D. Smith, Adrian, Mich.  
New Chrysanthemum Catalogue for 1916.  
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Guttman & Raynor, Inc., New York City.  
Early Lavender Pink Chrysanthemum.  
Alex. Guttman, also Emma, a Garza.  
Anemone, Double Pompon, pale pink.

## CYCLAMEN

CYCLAMEN. Best strain. Separate colors or mixed, 3 in. pots, \$8.00 per 100, for May delivery.  
JULIUS ROEHRS CO., Rutherford, N. J.

## DAHLIAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Send for Wholesale List of Whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens, J. L. MOORE, Prop., Northboro, Mass.

## NEW PEAONY DAHLIA

John Wannamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

IF YOU INTEND growing Dahlias for cut flowers then you will make no mistake if you will try my assortment, especially selected for cut flower production. Three whites, 3 pinks, 1 red, 1 yellow, 1 lavender, 1 fancy; all field roots, labeled true to name; per 100, 10 of each kind, \$3.00; per 1000, 100 of each kind, \$25.00. 50 at 100 and 500 at 1000 rates. Cash with order. Guarantee entire satisfaction. If interested in Dahlias, then please send for my wholesale trade list of Dahlias.

## MANNETTO HILL NURSERIES

W. A. FINGER, Prop., Hicksville, N. Y.

## DECORATIVE PLANTS

A. Leuthy Co., Roslindale, Mass.  
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Robert Craig Co., Philadelphia, Pa.  
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Boblink & Atkins, Rutherford, N. J.  
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**DECORATIVE PLANTS—Continued**

Thomas Roland, Nahant, Mass.  
**High Grade Plants for Retail Florists.**  
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 A. M. Davenport, Watertown, Mass.  
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**DRACAENAS**

Dracaena Indivisa, nice plants, 4 in., \$10 and \$15 per 100; 5 in., \$20 and \$25 per 100.  
 Cash. CHAS. H. GREEN, Spencer, Mass.

**EXCURSIONS**

Hudson Navigation Co., New York City.  
 To the Heart of Leisureland.  
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H. H. Barrows & Son, Whitman, Mass.  
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**Pulverized Sheep Manure.**  
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Pulverized Manure Co., Chicago, Ill.  
 Wizard Brand Cattle Manure.  
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Colin Campbell, New York City.  
 Hyper-Humus.  
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Anglin & Walsh Co., Williamsbridge, N. Y.  
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Reed & Keller, New York City.  
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**FUNGICIDES**

Aphine Mfg. Co., Madison, N. J.  
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**GERANIUMS**

R. Vincent, Jr. & Sons Co.  
 White Marsh, Md.  
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Geraniums out of 3½ inch pots, \$7.00 per 100. Cash please. LEONARD COUSINS, JR., Concord Junction, Mass.

S. A. Nutt, R. C., \$10.00 per 1000; 3 in., \$5.00 per 100; 4 in., \$8.00 per 100. FRANK LEITH & SON, Haverhill, Mass.

Geraniums, 3½ inch, in bud and bloom, \$7.00 per 100. S. A. Nutt, Poltevine, Vinca Variegated, 4 inch, heavy, \$12.00 per 100. Cash. CHAS. H. GREEN, Spencer, Mass.

GERANIUMS—1500—3½ in., 5 varieties assorted, good bedding stock, in bud and bloom, \$6.50 per 100, cash. 200 Fuchsias, \$7.00 per 100. WALKER THE FLORIST, No. Dighton, Mass.

**GLADIOLI**

J. M. Thorburn & Co., New York City.  
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A. Henderson & Co., Chicago, Ill.  
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John Lewis Childs, Flowerfield, L. I., N. Y.

**GLASS**

Sharp, Partridge & Co., Chicago.  
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Parshelsky Bros., Inc., Brooklyn, N. Y.  
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Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

**GLAZING POINTS**

H. A. Dreer, Philadelphia, Pa.  
 Peerless Glazing Point.  
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**GOLD FISH**

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish goods, nets, etc., wholesale. FRANKLIN BARRETT, Breeder, 4815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

**GREENHOUSE BUILDING MATERIAL**

King Construction Co., N. Tonawanda, N. Y.  
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Hitchings & Co., New York City.

Metropolitan Material Co., Brooklyn, N. Y.

**GUTTERS**

King Construction Co., N. Tonawanda, N. Y.  
 King Channel Gutter.  
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**HAIL INSURANCE**

Florists' Hail Asso. of America.  
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The Kervan Co., New York.  
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Bay State Nurseries, North Abington, Mass.  
 Hardy, Northern Grown Stock.  
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**In writing to Advertisers kindly mention Horticulture**

**NURSERY STOCK**  
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C. C. Teeple, Rochester and New York  
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#### NET GROWING

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#### ONION SEEDS

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Delancey C. Varola, Emerald, Canary  
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 Bermuda Onion Seed

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Lager & Hurrell, Summit, N. J.

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#### PETUNIAS

R. Vincent, Jr. & Sons Co., White Marsh,  
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#### PHOENIX CANARIENSIS

In all sizes. Special price-list on demand.  
 JULIUS ROEHRS CO., Rutherford, N. J.

#### PEONIES

Peonies. The world's greatest collection.  
 1200 sorts. Send for list. C. BETSCHER,  
 Canal Dover, O.

#### PECKY CYPRESS BENCHES

A. T. Stearns Lumber Co., Boston, Mass.  
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#### PIPE AND FITTINGS

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 "Riverton Special."  
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August Rolker & Sons, New York City.  
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McHutchison & Co., New York City.  
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#### PLANT TRELLISES AND STAKES

Seele's Trellis Plant Stakes and Trellises.  
 H. D. SEELE & SONS, Elkhart, Ind.

#### RHODODENDRONS

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 Grafted and Own Root Rose Stock.  
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Guthrie & Taylor, Inc., New York City.  
 Rose Planting Dishes. (M. & P. Co. Ltd.)

THE CONARD & JONES COMPANY.  
 Rose Specialists.  
 West Grove, Pa. Send for offers.

#### SEASONABLE PLANT STOCK

R. Vincent, Jr. & Sons Co., White Marsh,  
 Md.  
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#### SALVIA

Specialties. 1000 plants for \$2.00  
 per 100. LEONARD COUSINS, JR., CHICAGO,  
 ILL.

#### SEEDS

Carter's Tested Seeds.  
 Seeds with a Pedigree.  
 Boston, Mass., and London, England.  
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Joseph Breck & Sons, Boston, Mass.  
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Fottler, Flake, Rawson Co., Boston, Mass.  
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#### SHELF BRACKETS

Metropolitan Material Co., Brooklyn, N. Y.  
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#### SPHAGNUM MOSS

Live sphagnum moss, solid peat and  
 dried sphagnum moss in bags. LAOMER  
 & HURRELL, Summit, N. J.

#### SWEET PEA SEED

Ant. C. Zvolnek, Lompoc, Calif.  
 Good Model of Winter Flowering Sweet  
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#### FREE SURGERY

The Davey Tree Expert Co., Kent, Ohio.

#### VASES

H. Bayersdorfer & Co., Philadelphia, Pa.  
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#### VEGETABLE PLANTS

R. Vincent, Jr. & Sons Co.  
 White Marsh, Md.  
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Vegetable Plants. Golden Seed Planting  
 (Patent) System. The plants ready for the  
 pot. \$2.00 per 1000. Cash. Special prices  
 on large lots. WHITE CHERRY GARDENS,  
 Baltimore, Md.

VEGETABLE PLANTS. A great variety of ex-  
 press vegetable plants, well rooted plants  
 in large or small pots at reasonable prices.  
 Will probably be the only list you need any-  
 where. List of seeds and plants. Vegetable  
 varieties, Cabbage, Tomato, Cauliflower, Cel-  
 ery, Sweet Potato, Asparagus, Radish,  
 Beet, Lettuce, Pepper, Egg Plant, Also  
 Asparagus, Cucumber, etc. HARRY E.  
 SQUIRES, Roseton, N. Y.

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#### VERMICIDES

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#### VINCAS

13,000 Vinca Var., out of 4 inch pots, \$10.00  
 and \$12.50 per 400. Cash prices. LEONARD  
 COUSINS, JR., Concord Junction, Mass.

Vinca Var., 4 in., heavy, \$12.50 per 100;  
 good, \$10.00 per 100; extra heavy, \$15.00 per  
 100. WILLIAM CAPSTICK, Auburndale,  
 Mass.

#### WEED KILLER

Pino-Lyptol Chemical Co., New York City.  
 Pino-Lyptol Weed Killer.  
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**WHOLESALE FLORISTS**  
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Herman Weiss, 106 West 28th St.  
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J. J. Coan, 115 West 28th St.  
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Frank Millang, 55-57 West 26th St.  
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## Philadelphia

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Edward Reid, 1619-21 Ranstead St.  
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The S. S. Pennock-Meehan Co., 1608-20  
Ludlow St.  
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**WHOLESALE FLORISTS**  
Richmond, Ind.

E. G. Hill Co.  
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## Rochester, N. Y.

George B. Hart, 21 Stone St.  
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## GERMAN IRIS.

John Lewis Childs, Flowerland, N. Y.  
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## REMOVAL NOTICE.

J. H. Small & Sons,  
New York and Washington.  
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## ROSE STAKES.

The Carnation Support Co.,  
Connersville, Ind.  
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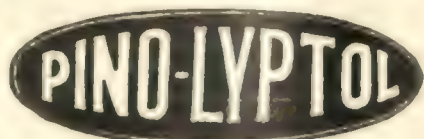
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## NEW COTONEASTERS, BERBERIS AND AESCULUS.

### Chinese Cotoneasters.

Cotoneasters are shrubs or rarely small trees of the rose family, related to the apples, pears and hawthorns. The genus has long been known in Europe and eastern Siberia, but it is only in recent years that it has been discovered that the largest number of species of these plants grows in China. The first Chinese species was known to botanists as early as 1832; forty-five years passed before another of these Chinese plants was recognized, and it was not until Henry and Wilson began the systematic exploration of the flora of central and western China that any one suspected its richness in these plants. Now forty-eight or fifty Chinese species and well marked varieties are recognized. Of those with deciduous leaves twenty-four are now well established in the Arboretum. Among them are some of the handsomest shrubs in cultivation, and for this climate at least some of the species are perhaps the most valuable shrubs introduced by Wilson. For the embellishment of northern gardens the introduction and successful cultivation of the Chinese Cotoneasters rank in importance with the improvements made in Europe in recent years in the garden lilacs, with the forms of hybrid Philadelphus made by Lemoine, and with the collection of American Hawthorns discovered and raised in the last sixteen years through the activities of the Arboretum. Some of the Chinese Cotoneasters are low shrubs only a few inches high and admirably suited for the decoration of rock gardens; others are large broad bushes eight or ten feet high; and it is not possible to say which of these plants is the best for some of them are better suited for one purpose and some for another. On some species the leaves are small, thick, dark green and very lustrous; on others they are thin and of different shades of green, and of different sizes. On some of the species with thick and lustrous leaves the foliage does not fall until the beginning or

middle of winter; that of the larger-leaved species falls late in the autumn, on some species assuming in the fall brilliant shades of orange and scarlet. On some species the flowers are bright red, and white on others, and the lustrous fruit which varies greatly in size is black on some of these plants and red on others. As flowering plants the most beautiful in the Arboretum are *C. hupehensis*, *C. racemiflora*, var. *soongarica*, and *C. multiflora*, var. *calocarpa*. These three plants have flowers comparatively large for the genus, about half of an inch in diameter, and bright red shining fruits. The first is a broad, tall and shapely shrub with bright green leaves which will be covered in a few days with flowers which make the plant as conspicuous as any Spiraea. These are followed by small, scarlet fruits which are a good deal hidden by the leaves. *C. racemiflora*, var. *soongarica*, is also a large and vigorous shrub; the flowers are a little larger than those of *C. hupehensis*, the leaves are dull blue-green in color, and the fruit is larger and more showy than that of the last species. *C. multiflora*, var. *calocarpa*, is flowering for the first time in the Arboretum. It is a shrub with slender, gracefully arching stems and blue-green leaves. The arching of the stems makes the flowers, which are borne in erect clusters on short lateral branches, conspicuous and there is now in the Arboretum no shrub in flower more graceful in habit or more charming in the arrangement of its flowers. The fruit of this species, judging by specimens collected in China, is abundantly produced: it is scarlet and about a quarter of an inch in diameter. Of the large-growing species with thick lustrous leaves attention is called to *C. divaricata* with red fruit and *C. nitens* with black fruit. These species have small, globose red flowers which are now open and are large, fast-growing, hardy shrubs valuable through the summer and autumn on account of their beautiful foliage. None of the species are perhaps so attractive in the autumn as *C. foveolata*; this is one of the most vigorous

of all the species with larger leaves which late in the season turn brilliant orange and scarlet. The flowers of this plant are red and the fruit is black. The best of the dwarf species in this climate is *C. horizontalis*. This is now the most generally known of the Chinese Cotoneasters, as it was first raised in France forty years ago and has been growing in the Arboretum for more than a quarter of a century. When growing naturally it is a plant not more than two feet high, with wide-spreading branches; it has small, dark green, shining leaves, minute red flowers and small bright red fruit. Here the leaves fall in early winter, but in regions of milder climate they remain on the branches until a new crop appears in the spring. This is an excellent plant for a large rock garden, and in Europe it is often trained to cover low walls, for which purpose it is well suited, although the branches do not naturally attach themselves to stone or brick. *C. horizontalis*, var. *perpusilla* is a dwarf form with rather smaller leaves and is equally useful for the rock garden. This variety, Mr. Wilson tells us, is the common Cotoneaster of the moorlands of western Hupeh. *C. adpressa*, which is the dwarfiest of these plants, is distinguished from *C. horizontalis* by its thinner and less lustrous leaves, larger fruit which ripens several weeks earlier, and by its creeping and often rooting stems which form a dense carpet closely appressed to the ground. There are few shrubs better suited for the rock garden.

### Berberis verruculosa.

An evergreen Barberry discovered by Wilson in western Szechuan, is flowering freely for the first time in the Arboretum. It is a small shrub with slender, arching stems, thickly covered with dark brown excrescences, small oval leaves dark green and very lustrous on the upper surface and pale below, and small golden yellow flowers which are solitary or produced in few-flowered clusters. The berries are black, oblong or bottle-shaped and covered with a glaucous bloom. On its native mountains this barberry is said

sometimes to grow three feet tall, but the plants in the Arboretum are only a few inches high. These plants have now been growing for several years on the exposed southern slope of Bussey Hill where they have never been injured. *Berberis verruculosa* appears to be the hardiest and for this climate it is probably the most valuable of the Chinese evergreen species. The small size and compact habit make it a good subject for the rock garden.

#### *Aesculus discolor*.

It is fortunate that the scarlet-flowered variety (var. *mollis*) of this Buckeye is hardy here, for the flowers are not surpassed in brilliancy by the flowers of any other horsechestnut. On the typical *Aesculus discolor* the flowers have a red calyx and yellow petals generally more or less flushed with rose. This is a much less common plant than the variety *mollis* on which both the calyx and the corolla are bright red. This is a very common plant in Georgia and Alabama and ranges west to southeastern Missouri and to eastern Texas. It is the only red-flowered Buckeye which has been found west of the Mississippi river, and it sometimes reaches the size and assumes the habit of a small tree. On the Edwards Plateau in western Texas there is a yellow-flowered form (var. *flavescens*) which, because it has yellow flowers, was long mistaken by botanists for the Appalachian tree Buckeye, *Aesculus octandra*. *Aesculus discolor* and its varieties can be distinguished from the other American species by the soft covering of pale down on the lower surface of the leaflets, and from all species of the genus except *Aesculus californica* by the pale orange-brown color of the seeds. *Aesculus discolor*, var. *mollis* is just coming into flower.

#### *Aesculus georgiana*

Which is a native of central Georgia, is covered with its compact clusters of yellow and rose-colored flowers. Perfectly able apparently to support the New England climate, this Buckeye is one of the handsomest and most interesting southern shrubs which

the Arboretum has made known and introduced into gardens.

#### *Aesculus Briotii*

This French form of the so-called red-flowered hybrid horsechestnut (*Aesculus carnea*) is in flower in the collection. It is the most brilliantly colored of all the forms of *Aesculus carnea*, and few trees hardy in this climate bear such showy flowers. It begins to flower when not more than ten feet high; it is perfectly hardy, and it should be seen more generally in American gardens.—*Arnold Arboretum Bulletin*.

#### BIG HAIL STORM AT ST. LOUIS.

Hail, wind and a heavy downpour of rain has again visited the St. Louis and vicinity florists causing a loss which will probably total 150,000 feet of glass. This was the second destructive storm within a month. The first one confined itself to the south end of St. Louis but this one took in the county where many of our greenhouse men are located. Some had already repaired the damage done a few days ago and again it hit them hard. Among the heaviest losers this time were H. J. Weber & Sons, Geo. B. Windler, F. J. Fillmore, Wm. Schray & Son, Meuer Bros., John Held, William Kruse, John Walther, Ben Albers, John G. Knoll, Bourdet Floral Co. and the Missouri Botanical Garden. John Held, Meuer Bros and Will Kruse were among those who had reglazed after the recent loss. The great damage was in Kirkwood and Webster where florists are thicker than bees in a hive. W. A. Rowe's loss was the greatest as he got the full force of the storm, especially at the new place, and he estimates his damage at \$5,000. A. S. Cerney, O. C. May, Oakland Floral Co., W. J. Pilcher, Hugo & Rudolph Gross, Frank Vennemann, Hootman Bros., Wm. Winter, F. W. Ude, A. F. Kopp, W. J. Edwards John R. Steinecke, Chas. Meier, Phil J. Goebel, Jr., and Deutchmann Bros. also suffered greatly. The Connors Floral Co. and Joe Hauser at Webster Grove, had also a heavy loss. All glass facing the west had no chance to escape breakage. Another great loss was to gladioli in the field. Over half were broken off and bent down by the wind. One of the county florists who made the rounds after the storm estimated the loss in the county to reach \$20,000 to florists alone. Many market gardeners along Graviion Road, also the cemeteries, who all have one or more greenhouses, report heavy loss. The daily papers said after the storm that the total loss sustained would reach over the \$100,000 mark.

#### VISITORS' REGISTER.

Boston—R. M. Ward, New York; Frank N. Meyer, Bureau of Foreign Plant Introduction, Dept. Agri., Washington, D. C.

New York—Miss Helen Cassity, private secretary for Postmaster W. F. Kasting, Buffalo, N. Y.; Thos. Tracey and Jos. Tracey, Albany, N. Y.; Arthur Holland, representing R. & J. Farquhar & Co., Boston; E. H. Wilson, Arnold Arboretum, Boston.

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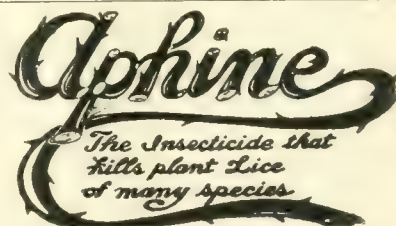
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1,183,127. Weeder. Mark A. Sheldon, Detroit, Mich.

1,183,454. Device for Wrapping Potted Plants. Harry Hayashi, Elmhurst, California.

Beverly, Mass.—Owing to the high cost of living, the gardeners along the North Shore, who are paid by the month, have asked for an increase of \$5, which would make the wage scale \$55 and \$60 a month for gardeners employed on routine work. There is a scarcity of labor on the shore, owing to the fact that many Italians who were employed on estates returned to Italy to enter the war some months ago, and a number of them have been killed at the front, according to letters received by friends in this country. In order to get men at some of the estates, \$2.75 a day has been offered.

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Franklin, Mass.—W. H. T. Bock, house 20 x 100.

West Grove, Pa.—C. Forrest McNeil, rebuilding.

Mankato, Minn.—A. J. Kramer two houses, each 20 x 100.

Carthage, Mo.—Stephen Hyde, vegetable house 84 x 500.

Middlebury, Vt.—Wm. L. Ford, North street, addition.

Arlington Heights, Ill.—Goerger Bros., two Foley houses.

Fremont, Neb.—Greene's Greenhouses, rose house 32 x 80.

Howell, Mich.—Henry Wilkenhaus, Byron Road, range of houses.

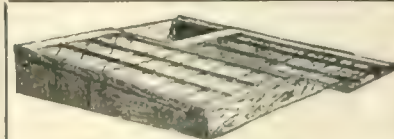
Crystal Lake, Ill.—Frank Schramm, two Foley houses each 40 x 225.

Arlington Heights, Ill.—Elmer Sigwalt, two Foley houses each 40 x 200.

Eatontown, N. J.—Dr. David M. P. Magee, Broad street, one house in the fall.

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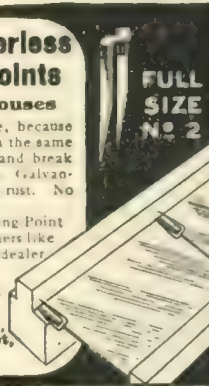
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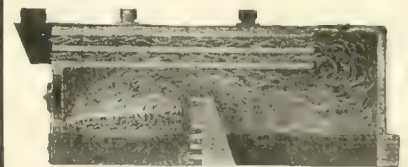
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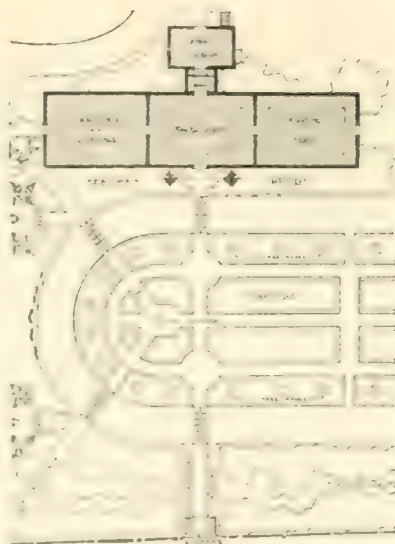
**R**ECENTLY we furnished a greenhouse for the Forest Hills Gardens, South Richmond, Va. In connection with the photograph they were so courteous as to send us, a letter was enclosed which is so full of interest that we are going to give it here. Perhaps you will to advantage apply its main idea to your business.

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Vol. XXIII  
No. 25  
JUNE 17  
1916

# HORTICULTURE



**William F. Kasting**

Treasurer Society of American Florists  
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Postmaster, Buffalo, N. Y.

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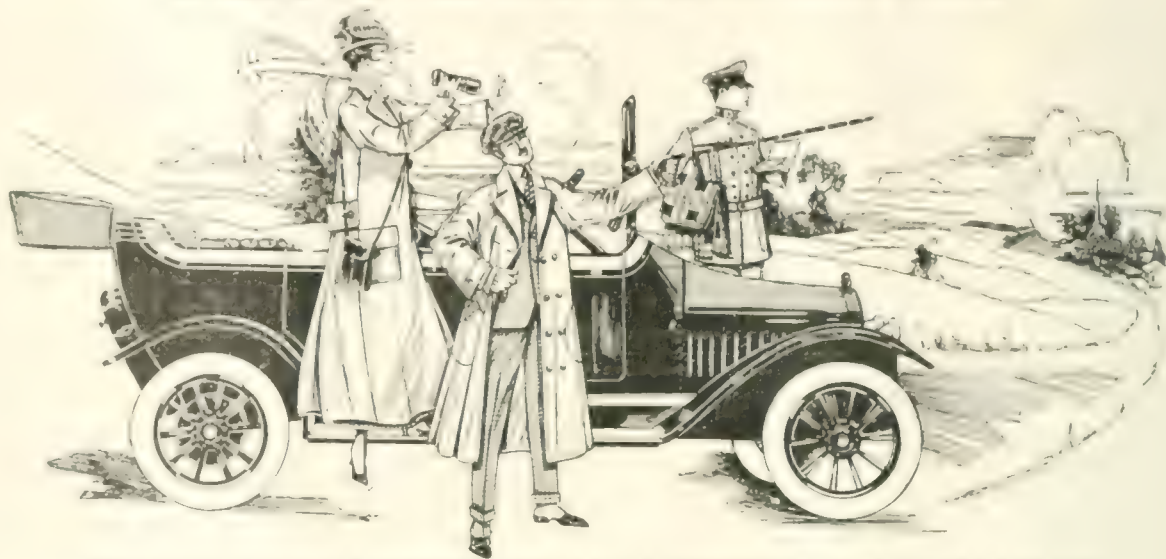
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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Pope*.

## Asparagus plumosus

Now is the time for renewing beds and to give those that are to be carried over a top-dressing of cow manure and soil with a sprinkling of bone meal. When making new beds give plenty of headroom—at least 12 feet. The beds or benches should be prepared as soon as possible. Above all things see that they have a generous soil to grow in—say two parts fibrous loam and one part manure. A layer of eight or nine inches of this compost is none too much for asparagus. The plants should be set 10 to 12 inches apart and 16 to 18 inches between the rows. Thrifty plants, out of 4-inch pots, are the right sort to use. Syringe frequently and see they are kept moist around the roots.

## Decorative Plants

A little attention to spacing and sorting into different grades and sizes at frequent intervals will be time well spent. See that spading is not too dense—just enough to cause a hazy light through the plants. Abundant ventilation should therefore be in order. Plants that have become excessively rootbound should now be repotted. Infested plants should be given a thorough cleaning, and sponging, even if not just needed, will be of great benefit. Plants of this class yet on parade in overcrowded show house or narrow quarters should be spread apart, while room in other houses is now unoccupied.

## Gladioli

Plantings are made once a fortnight until the middle of July in order to insure a constant succession of flowers. The earliest outdoor planting should now be well above ground and have had one cultivation. The bulbs are set at an average depth of six inches. This keeps the stems more rigid in rain and wind storms. In dry weather give weekly waterings and it is well to plant a

batch where the water is handy which can be forced in ahead of the others. Make use of a deeply cultivated soil. You can plant in double rows about 6 inches apart and place the stakes between them.

## Rambler Roses

Copious watering and daily heavy syringings must be given the rambler roses. We often get our hottest weather up to the middle of July, and if the tender and unripened shoots suffer for water mildew will set in, which much weakens the growth and the strength of the eyes which will now be forming and from these will come the trusses of blooms next spring. Ramblers grown in pots under glass during summer, by having the pots plunged in a bench where there is some soil will retain the moisture better and by the end of August will have made all the growth desirable and can then be stood outdoors to ripen their wood. After this period they will not want so much water.

## Sowing Perennials

Seed sown up to the middle of July will make nice strong plants by the fall. Now that bedding plants are all planted out there will be plenty of room in the frames. Give the soil a coating of manure and dig it over well, breaking all the lumps and raking fine. Draw shallow rows up and down the frame about six inches apart and sow the seed and press the surface over moderately firm. Never let them dry out; evaporation is great at this time. After watering keep them shaded until they start to germinate. Keep them well cultivated and when the seedlings have progressed so they can be handled, transplant to other quarters.

## Shading Ferns and Palms

Now is the time to watch ferns and palms in the way of shading. Just give enough of shade to make them hold their color and keep them from burning.

Next week: Adiantums; Violets; Cinerarias; Orchids; Gardenias; Pelargoniums.

## Stem Rot in Paeonies

Editor HORTICULTURE.

Dear Sir.—I would like to know if some of your kind readers could tell me what is the cause of the stem rot of paeonies. The stalks rot at the surface of the soil. Also what is a cure of the same?

Respectfully yours,

E. J. B.

The stem rot in paeonies is caused by a fungus. It is distributed by the wind. It causes the stem or bud, or leaves sometimes to turn a yellow brown and decay. No one knows the way to combat it, as yet. I cut the stem off just below the surface of the ground and put it

where it will do no further harm. Cut the buds off if affected, and destroy them also. I have had plants so affected be clear of it the next year. But it is said it will live over winter on old affected stalks. It is best to burn up all affected parts if one can.

*E. J. Shaylor*

Auburnville, Mass.

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# HORTICULTURE

VOL. XXII

JUNE 17, 1916

NO. 25

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The power  
 of "pull together"

The sum of \$15,507.09 is to be divided equally between the New York Florists' Club and the Horticultural Society of New York.

These results of the recent successful flower show in the Grand Central Palace. But a few years ago the boldest optimist would not have presumed to predict such a thing as a possibility. Such are the results of zealous co-operation and well-directed effort on the part of the two factors which are indispensable for the complete success of such an enterprise anywhere. It can safely be said that neither one of the two organizations which participated in this great undertaking and its happy out-

come could possibly have done it alone. It was only the gentleness of New York, and results were a result of co-operation and harmony and those kind words are immediately performed were an equally reasonable for this brilliant achievement are well entitled to congratulation and the gratitude of all friends of horticultural prestige. Promoted in the same spirit of hearty concord there is no reason why the success of 1916 may not be repeated or even excelled in each coming year.

## Rock gardening

It is "in the air" that rock-gardening is such to play an important part in the art of garden making in this country. One difficulty that is sure to confront and discourage any one trying to do rock-gardening here on the lines which succeed so well in England and some other European countries is that much of the most highly prized alpine material in which the gardener abroad is privileged to revel is really out of the question with us. Yet there is no insurmountable reason why this most fascinating branch of gardening may not be indulged in here and with charming results. We shall find—as we have been finding out in recent years in regard to our shrubbery planting—that there is an abundance of splendid native material which can be brought into effective use and, in association with such exotics as are found tractable, will amply fill the requirements of the most ambitious and exacting planter. There can be no doubt of the growing appreciation of rock-gardens and the interesting classes of plants which find their appropriate setting amid such conditions and surroundings and the nurseryman who will prepare intelligently to meet and supply the special demand that is sure to come will find that he has made no mistake.

## Two societies

Practically ever since the florists broke away from the original allied association of nurserymen and florists, thirty-two years ago, there has been a constantly widening divergence in methods and policies and in the avowed purposes and ideals which have shaped the course of the national bodies representing these two interests. While the Association of Nurserymen has been invariably conducted as an exclusively business organization, the S. A. F. has been pursuing a more altruistic course, in which the immediate well-being of the strictly commercial element is not always dominant. In short, the nurserymen have had, for a definite object in maintaining a national organization, the protection and fostering of their business interests, while the S. A. F. and O. H. has chosen to direct its energies in a considerable degree for the promotion of horticultural advancement in a broad sense. During these years the S. A. F. has forged far ahead in numerical and financial strength as compared with the parent organization which, at the time of the separation, came under the undivided control of the nursery people. A perusal of the program for the nurserymen's convention to be held this month in Milwaukee shows a vast amount of preparation for a very busy time and will be interesting to compare it with the one which the S. A. F. will put out shortly for the coming meeting at Houston, Texas. Some of the critics of the S. A. F., who have been persistently endeavoring to relegate that body into the category of strictly commercial organizations might find in the comparison subject for a little second thought. As is generally known the nurserymen are now trying out a new system of membership from which much financial strength and influence is expected. HORTICULTURE extends its very best wishes for an unequivocal success.

## ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur C. Ruzicka*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

### Do Not Neglect the Young Plants

With the rush of planting, repairing, building and what not, it is always best to take time to look after the young stock. It is from this that the money will come in for the coming season and, more than that, it will have to furnish wood for plants in the future. It should therefore receive all the care possible to insure strong, healthy vigorous plants. To begin with it is best to have at least twenty-five extra plants for every hundred in two-and-a-quarter in. pots. When these are shifted the plants should be carefully selected and all culls thrown out, thus reducing the number of extras to about ten for every hundred. When the plants are shifted again, the culls or all unpromising plants should be thrown out again, bringing the number of extras to about five. Of course the cuttings must be selected when potting the first time so that the plants will be good nearly all the way through. Then when planting time comes the best plants can be picked out and the remaining poor ones thrown away. With this system there will be plenty of nice plants to start with if they are kept going all the time, and that is why they should not be neglected now. The plants grow very fast now if given a chance, and all that are not to be planted for three weeks or more and are well rooted, had better be put into larger pots unless they are already in the fours, in which case they should be spread a least bit and top dressed with fine bonemeal. In spreading the plants it will be as well not to give them too much room as the pots would dry out too quickly, even though they are sunk about half into the ashes on the bench. With Beauties, the tallest should be staked and tied to keep them from laying all over. Keep free from weeds as these are great robbers of plant food, sun and air. To clean the plants properly, it is best to go over them every so often and pick off all yellow leaves, watching out for spot, remove all weeds and then set the plants on the bench again, being careful to set the taller in the rear or the north side of the bench, and the smaller and weaker on the south side which will give them a better chance to grow, not being shaded by the tall ones as they would be if the plants were all mixed. While cleaning it is well to note any trace of spider or fly, or any other disease that may be about starting in.

### Keep the Fires Going

We said the same thing a while ago, and the way the weather has been lately we need not be afraid to repeat it. The nights are very cool and the wet rainy days real chilly, which means mildew unless heat is turned on. A pipe of steam even at low pressure will be of great benefit to the roses, carrying a little air at the same time, which will give the plants fresh warm air to breathe. Sulphur will have to be used quite freely on the

pipes as with low pressure they will not be very hot and the sulphur will evaporate very slowly. If a trace of mildew appears here and there a little sulphur mixed with lime and dusted on the plants will help to keep it from spreading. Keep all doors closed all the time and see that everybody does the same. Often a dose of mildew may be traced to an open door, where a few plants got it and it spread all over from them. If the plants have been well cared for, there will be plenty of roses to cut for quite a while yet, and if these can be kept free from mildew they will bring a good price compared to the returns for the mildewed stock. Keep the fires going and keep mildew out.

### Spraying Roses

Mr. Arthur C. Ruzicka:

Dear Sir.—From time to time you have recommended for leaf spot, black spot, etc., a spray of ammoniacal copper carbonate. Will you kindly tell how to prepare this for spraying outdoor roses and how often to apply. Will appreciate very much your help.

Yours truly,

A. C.

Answer. To mix this preparation in small quantities take two ounces of copper carbonate and put same into earthen pot, adding enough ammonia to dissolve the copper. When thoroughly dissolving the copper, add the resulting mixture to two gallons of water, mix well, and then apply at once, as the mixture loses strength very fast if left exposed to the air. Unlike applying nicotine, it is best to apply this on a clear day when the ventilators are open at least a little. This gives the ammonia fumes a chance to escape without doing any damage to the plants and flowers. For outside work the mixture can be made a little stronger, using about five pounds of copper carbonate to fifty gallons of water, with enough ammonia to dissolve the copper. It should be applied late in the afternoon, and only to plants that are plenty wet enough at the root, as it will surely burn all that are dry, so that if there has been no rain for a while it will be best to water the plants well in the morning before spraying. The spraying can be done with an ordinary compressed air sprayer, known to me as Auto-Spray, and if you have to buy one to do the work get one with a brass tank. They cost more but last ever so much longer. Where only a few plants are grown they can be sprayed with a small hand sprayer, which is very inexpensive. The spray should be applied as soon as a trace of the spot is found and after as often as is necessary, say once a week under ordinary conditions and oftener if heavy rains follow the spraying. If you will require a great deal of the mixture it may be better to buy it ready mixed as it is not very pleasant work to make it. The spray is no cure-all by any means, but it will help to keep the spot from spreading and by giving careful culture the plants can be grown out of it.

## Obituary

William F. Kastling

That it was the death of a friend, a comrade, a partner in the struggle for the betterment of the Society of American Florists. We are inexpressively shocked and grieved as will be thousands of others who knew and loved "Billy" Kastling. Particulars of his sudden death have not yet reached us.

In the year 1884 when 14 years of age, Wm. F. Kastling came to this country a lonely German emigrant boy. He drifted into the greenhouse business in Erie, Pa., and in 1893 became a salesman for D. R. Long, in the wholesale flower business in Buffalo. In 1896 he bought the business from Mr. Long and since that time has conducted a profitable and ever-growing wholesale flower and supply business, the largest in that section of the country. In connection with this he became proprietor of the Erie Floral Co., situated at Erie Pa., with 50,000 feet of glass.

At the S. A. F. Convention in Washington, D. C., in August, 1905, Mr. Kastling was elected president of the Society, he having served previously as vice-president in 1901, when the Convention took place in Buffalo. At Cincinnati in 1909 he was elected treasurer and has served in that capacity ever since, besides holding many other positions of activity and influence in the Society's councils. Two years ago Mr. Kastling was appointed postmaster of the city of Buffalo by President Wilson. Previously he had held many positions of prominence in local floral, social, political and business circles. He was financial secretary, treasurer and afterwards president of the Buffalo Florists' Club; vice-president of the American Carnation Society; park commissioner for the city of Buffalo; treasurer of the Orpheus Singing Society; president of the German Hospital in Buffalo; member of the Chamber of Commerce. Mrs. Kastling died about five years ago.

In the passing away of William F. Kastling the Society of American Florists sustains a grievous loss. He was admirably equipped for service as treasurer. He was truly "the watchdog of the treasury," and the Society's financial interests were safeguarded with rare sagacity and fidelity. Earnest, conscientious, outspoken as an opponent, loyal as a friend, generous, tender-hearted—where shall we ever find one who can fill his place.

### G. Supper.

Gottlieb Supper, for many years an employee of George C. Shaffer, Washington, D. C., died on June 1, aged 35 years. He is survived by his widow, who is also an employee at Shaffer's. His father, John Supper, is in the florist business at Lakewood, N. J.

### W. L. McKay.

Wm. L. McKay, of the Van Dusen Nursery Company, Geneva, N. Y., died suddenly on May 25, aged 61 years.

## CLUBS AND SOCIETIES

### Meetings Next Week

#### Monday, June 19.

Detroit Florists' Club, Room 100, Hall, Detroit, Mich.  
Houston Florists' Club, Chamber of Commerce Rooms, Houston, Tex.  
New Jersey Horticultural Society, Orange, N. J.

#### Tuesday, June 20.

Gardeners and Florists' Club of Boston, Horticultural Hall, Boston, Mass.  
Gardeners and Florists' Club of Ontario, St. George's Hall, Toronto, Ont.  
Massachusetts State Florists' Association, Merchants' Hotel, Boston, Mass.  
Pennsylvania Horticultural Society, Horticultural Hall, Philadelphia, Pa.

#### Wednesday, June 21.

Rhode Island Horticultural Society, Public Library, Providence, R. I.  
Peoples Park Cottage Gardeners' Association, Paterson, N. J.  
Tarrytown Horticultural Society, Tarrytown, N. Y.

#### Friday, June 23.

Connecticut Horticultural Society, County Bldg., Hartford, Conn.  
Monmouth County Horticultural Society, Red Bank, N. J.  
Pasadena Horticultural Society, Pasadena, Calif.

#### Saturday, June 24.

Dobbs Ferry Gardeners' Association, Dobbs Ferry, N. Y.

### COMING EXHIBITIONS.

June 22, Worcester, Mass.—Rose and Strawberry Exhibition, Worcester Horticultural Society.

June 24-25, Boston.—Rose and Strawberry Exhibition, Massachusetts Horticultural Society, Horticultural Hall.

June 27-28, Hartford, Conn.—Summer Show of Connecticut Horticultural Society.

June 28-29, Newport, R. I.—Newport Garden Association and Newport Horticultural Society, on the grounds of the Garden Association.

July 14-15, Bar Harbor, Me.—Annual Show of American Sweet Pea Society.

July 20, Worcester, Mass.—Sweet Pea Exhibition, Worcester Horticultural Society.

August 3, Oyster Bay, L. I., N. Y.—Dahlia Show, Oyster Bay Horticultural Society.

August 11-12-13, Boston.—American Gladiolus Society, Horticultural Hall.

August 24, Worcester, Mass.—Gladiolus Exhibition.

Sept. 2-9, Cleveland, Ohio.—Industrial Exhibition and Fair.

Syracuse, N. Y., Sept. 11-16.—New York State Fair.

Sept. 12-13, Providence, R. I.—Rhode Island Horticultural Society, Narragansett Hotel.

### MASSACHUSETTS HORTICULTURAL SOCIETY.

#### Exhibition of Peonies.

The annual peony show of the Massachusetts Horticultural Society will be held at Horticultural Hall, Saturday and Sunday, June 17 and 18. In addition to peonies there will be collections of irises and other seasonable flowers.

This is one of the most brilliant exhibitions of the year and a fine display will be made. The exhibition is free to the public and will be open Saturday from 12 to 6 and on Sunday from 1 to 6 o'clock.

WM. P. RICH, Sec'y.

### NEW YORK FLORISTS' CLUB.

The New York Florists' Club held its last meeting for the season of 1915-16 on Monday evening, June 12, about 70 members being present. The preliminary report on the recent Flower Show in the Grand Central Palace as presented by Secretary John Young showed a gross receipt of \$41,525.76. Expenses \$10,000.00. Balance \$31,425.76, one-half of which goes to the International Exposition Company who assumed rent, and one-half to the florists' interests who assumed the premium list, viz. \$15,711.09. The premiums paid amounted to about \$9,300. To this balance must be added the special cash prizes raised by the two societies, which amounted to about \$4,551.50 in cash, and trophies and medals about \$1,000. The show was a big success from all angles. The club raised cash prizes amounting to \$1,235 and trophies \$815. The Horticultural Society of New York raised cash prizes, \$3,316.50; trophies \$150.

Charles B. Weathered, chairman of the special committee appointed by the club on flower show matters for 1917, reported progress. Secretary Young presented a report for the Houston Convention transportation committee giving details as to the different routes and rates. The round trip, one way by water to New Orleans and returning all rail, being recommended by the committee as most advisable, will cost \$83. This includes berth and meals on steamer to New Orleans and first-class transportation beyond. The committee reported they will send out literature later covering the different items of interest and information in regard to the trip.

The committee appointed to obtain information as to suitable buildings in case the invitation is accepted to hold the next S. A. F. Convention in New York reported progress. Secretary Young presented an interesting letter from Dr. N. A. Britton, of the Botanical Gardens at Bronx Park, which may result in the Convention Garden being located there, which would be a most favorable location. It was suggested by H. A. Bunyard that the International Garden Club would also be pleased to have the Convention Garden at City Island where the recent outdoor exhibition was held. So, much to the surprise of many, a Convention Garden is assured in New York if the Convention should be held there.

A. Herrington gave a very interesting talk on the International Garden Club—why it was organized, its aims and ambitions. He stated that the Garden Club had good financial backing and had already received many substantial subscriptions. The committees appointed since last meeting are as follows: Transportation to Houston, Texas—Charles H. Totty, John Young, W. C. Rickards. On building site for Convention Garden, etc.—Chas. H. Totty, John Young, W. C. Rickards. Flower Show committee

HENRY HAAS

PATRICK WELCH

FRANK J. REYNOLDS

## Reorganization of the

**WELCH BROS. CO.**

At a special meeting of the Board of Directors of Welch Bros. Co., held at 226 Devonshire Street, Boston, June 1, 1916, Mr. Henry Haas was elected Manager and Frank J. Reynolds, Asst. Manager. Patrick Welch retains the offices of President and Treasurer.

As President of the Company I wish to express my appreciation of the continued patronage with which you have favored us, and I sincerely hope that we shall always be able to retain your business, as we feel confident that the merit of our goods and the excellency of our service in both the Cut Flower and Supply Department are of the best.

PATRICK WELCH, Treasurer.

226 Devonshire St., Boston, Mass.

—C. B. Weathered, chairman; Frank H. Traendly, Charles H. Totty, William H. Duckham, Max Schling, L. J. Reuter, Henry Weston, Wallace R. Pierson, George E. M. Stumpp and John Young.

**A VISIT TO CROMWELL, CONN.**

On Wednesday, June 21st, the members of the National Association of Gardeners and the American Association of Park Superintendents will hold a Field Day at Cromwell Gardens, Cromwell, Conn., as the guests of A. N. Pierson, Inc. A large delegation is looked for, both from the vicinity of New York City and Boston, both of which points are within a day's trip of Cromwell. Those going by way of New York will leave the Grand Central Station on the Green Mountain Express at 8 o'clock on Wednesday morning, the 21st, securing tickets for Berlin, Conn., from which city Cromwell is reached by trolley. Connection can be made at Greenwich, Conn., at 8.50 A. M.; Stamford, 9.02 A. M.; Bridgeport, 9.38 A. M. Those going by way of Boston will leave South Station at 7.55 A. M. via Hartford, from which city Cromwell is also reached by trolley.

**ST. LOUIS FLORIST CLUB.**

This club celebrated its 30th anniversary with an out-door meeting at W. J. Pilcher's in Kirkwood on June 8th. The members started at 1.30 P. M. from the wholesale district in automobiles decorated with American flags and every member wore a red carnation. The procession was lead by W. C. Smith and at the meeting place were met by Mr. Pilcher and

his force and made comfortable. The tour through the splendid rose houses was most interesting. The meeting was called to order by President Bourdet in the big boiler shed, nearly 75 members in attendance. The trustees reported the club's annual picnic would be held on July 19 or 20 at Romona Park. Spring Flower Show committee had an excellent report. The committee on organizing the State Florists' Association gave an account of how the new organization had been completed. Ed G. Tedirc, Henry Ochs, H. M. Studdard, Emmett McDonald and Alex Volkman applied for membership. The committee on selecting an official flower for St. Louis for the Convention Bureau, named Coreopsis.

President Bourdet invited the members to hold their next meeting at his place, which was accepted with thanks. After adjournment Mr. Pilcher took the members in hand and entertained them royally.

**PITTSBURGH FLORISTS' AND GARDENERS' CLUB.**

The Pittsburgh Florists' and Gardeners' Club held a large and interesting meeting in the Dutch Room of the Fort Pitt Hotel on the evening of June 6th. The question of banquet sometime this fall to celebrate the 25th anniversary of the founding of the club was brought up, and it was decided that one should be held. The matter of a flower show at the same time was also under consideration. It seemed to be the sense of the club that it would be well to hold a Chrysanthemum Show in connection with the banquet, but that there should be no money prizes.

Herman Rapp, Leetsdale, Pa.,

showed Gloxinias for which he was awarded a cultural certificate. A collection of wild flowers was displayed, which was named by Dr. E. O. Jennings of Carnegie Museum. Then followed the feature of the evening, an "Illustrated Talk on the Flora of Washington State" by Dr. Jennings. Beginning near the eastern end of the State he took us across to the Pacific Coast, passing over a choice assortment of deserts, mountain peaks and glaciers, great forests and prairies. The wild flowers were in profusion, the pictures fine and the talk interesting, and the club greatly enjoyed the entertainment and instruction afforded.

H. P. JOSLIN, Secretary.

**CLUB AND SOCIETY NOTES.**

All guarantors for the National Flower Show held in Philadelphia this spring have had their money returned to them in full with a ten per cent. dividend.

The New Haven County (Ct.) Horticultural Society had a free peony show on June 8, but very few peonies were in evidence. There was an excellent showing of German irises, however.

Miss Van Name showed forty vases of iris. She boasts of 600 varieties in her collection, some very rare. Mrs. Edward H. Jenkins also contributed forty vases. Many of these were seedlings and caused a good deal of talk among connoisseurs. The Park Department of New Haven and Jno. W. Anderson of the Yale Botanical Gardens also had some very interesting specimens. J. H. Slocombe, the veteran florist, showed two large groups of oriental poppies that were greatly admired.

# AMERICAN ASSOCIATION OF NURSERYMEN

Program for the 1916 Annual Meeting  
Held at the Hotel Milwaukee, Milwaukee, Wis.

## Section 1—Wednesday, June 28, 10 A. M.

Invitation by Rev. C. S. Harrison, York, Neb.

1.1—Address by Wm. Pitkin, M. C. of Milwaukee.

1.5—Report of the President, John Watson, Newark, N. J.

10.40—President's Address—(30 minutes). E. S. Wright, President, Shenandoah, Ill.

11.10—Secretary's Report—(15 minutes). John Hall, Secretary, Rochester, N. Y.

11.25—Treasurer's Report—(10 minutes). Peter Youngers, Treasurer, Geneva, Neb.

## Section 2—The New Organization.

11.35—"A Greater American Association of Nurserymen"—(20 minutes). J. R. Mayhew, Waxahachie, Tex.

11.55—"The Value of Membership in the American Association of Nurserymen"—(10 minutes). Henry Chase, Chase, Ala.

12.05—"A Practical Business Meeting of Business Nurserymen"—(10 minutes). W. H. Wyman, North Abington, Mass.

12.15—Discussion—(20 minutes). John Dayton, J. B. Pilkington, E. H. Balco, Theodore J. Smith.

12.35—Announcement by Entertainment Committee: T. J. Ferguson, of Wauwatosa, Wis., Chairman.

12.45—Adjournment.

## Afternoon, 1.45 P. M. Section 3—Trade Matters.

Executive Session—(Closed doors, for members only).

1.45—Report of Legislative Committee—(30 minutes). East: Wm. Pitkin, Rochester, N. Y. West: Peter Youngers, Geneva, Neb.

2.00—Review of Work of Counsel for A. A. of N. During the Past Year, and Recommendations for the Future"—(20 minutes). Curtis Nye Smith, Counsel, Boston, Mass.

2.35—Discussion—(25 minutes). Led by Wm. Pitkin, Peter Youngers, J. W. Hill, Orlando Harrison, Thos. B. Meehan, F. H. Stannard, H. D. Simpson.

3.00—Transportation Committee's Report—(15 minutes). Chas. Sizemore, Chairman, Louisiana, Mo.

3.15—Discussions—(15 minutes). L. A. Berckmans, John Dayton, W. C. Reed, O. Joe Howard.

3.30—"Who Shall Receive Trade Prices"—(10 minutes). John H. Dayton, Painesville, O.

3.40—Discussion of Arbitration. T. J. Ferguson, Wm. Pitkin, Guy Bryant, Theodore J. Smith, R. J. Bagby, E. S. Osborne and O. W. Fraser.

4.00—"A Safe, Non-warranty Clause for Nurserymen"—(10 minutes). Luther A. Breck, Lexington, Mass.

## Evening.

Important: The State Vice-Presidents meet at 7 P. M. Members from each State are urged to consult together and name their choice for State Vice-President.

7.30—Meeting of American Nurserymen's Protective Association. Thomas B. Meehan, Secretary.

7.30—Meeting of the Wholesale Nurserymen's Travelers' Protective Association.

8.30—Meeting of American Retail Nurserymen's Protective Association, Guy A. Bryant, Secretary.

## Thursday, June 29, 10 A. M. Section 4—Overproduction Problems

Executive Session—(Closed doors, for members only).

10.00—"Statistics"—(10 minutes). John Watson, Newark, N. Y.

10.10—Discussion—(30 minutes). C. M. Hobbs, Frederick L. Atkins, J. Edward Moon, John P. Rice, E. W. Chittin.

10.40—"Tariff"—Report of Committee—(10 minutes). Irving Rouse, Chairman, Rochester, N. Y.

10.50—"Are Higher Duties Desirable?"—Discussion (30 minutes) by George C. Perkins, John H. Dayton, George C. Roeding, Frank Weber, Thomas B. Meehan.

## Section 5—Publicity. Open Session.

11.20—"Fair Play Nursery Advertising"—(10 minutes). Frank B. White, Managing Director Agricultural Publishers Association, Chicago, Ill.

11.30—"Cheaper, More Productive Advertising"—(10 minutes). E. H. Fayer, Managing Editor, Fruit-Grower, St. Joseph, Mo.

11.40—"Co-operative Nursery Publicity"—(10 minutes). J. Horace McFarland, Harrisburg, Pa.

11.50—"Practicable Publicity Plans for the A. A. of N."—(10 minutes). Jefferson Thomas, Jacksonville, Fla.

12.00—Discussion—(30 minutes). J. R. Mayhew, Henry B. Chase, W. H. Wyman, W. F. Bohlender, Frederick L. Atkins, E. P. Bernardin.

12.30—Adjournment.

## Afternoon 1.30 P. M. Section 6—Miscellaneous—Election Officers.

1.30—"A Practical Cost System for Nurserymen"—(20 minutes). Hugo Kuechenmeister, Farm Management Department of the University of Wisconsin.

1.50—Discussion—(30 minutes). C. A. Krill, Kalamazoo, Mich.; C. C. Mayhew, Sherman, Tex.; Henry T. Moon, Morrisville, Pa.; C. J. Maloy, Rochester, N. Y.; A. F. Meehan, Dresher, Pa.

2.20—"Proper and Uniform Bunching, Packing and Handling of Nursery Stock"—(10 minutes). Herbert Chase, Delta, Colo.

2.30—Discussion—(20 minutes). D. S. Lake, W. T. Hood, Richmond, Va.; T. I. Igenfritz, W. J. Maloney.

2.30—"A Practical Member's Collection System"—Curtis Nye Smith (followed by general discussion).

2.50—Report of State Vice-Presidents. Adjournment.

## Evening 7 P. M.

Annual Dinner of the Wholesale Nurserymen's Travelers' Protective Association.

## Friday, June 30, 9.30 A. M. Section 7—Inspection Matters

9.30—Executive Committee Recommendations on Uniform Trade Terms for Members of the American Association of Nurserymen. Henry B. Chase, Members of the Executive Committee. (10 minutes.)

9.40—Discussion—(10 minutes). John H. Dayton, Thos. B. Meehan, J. W. Hill, H. D. Simpson, Milton Moss.

9.50—"Danger Ahead"—(10 minutes). Prof. J. G. Sanders, Entomologist and Chief Nursery Inspector, University of Wisconsin, Madison, Wis.

10.00—"White Pine Blister Rust-Quarantine"—(10 minutes). Prof. F. L. Washburn, State Entomologist, St. Anthony Park, Minn.

10.10—Discussion—(30 minutes). Wm. Pitkin, Thos. B. Meehan, Peter Youngers, Theo. J. Smith, Curtis Nye Smith, Prof. J. G. Sanders, M. R. Cashman, Geo. A. Marshall, Prof. E. Lee Worsham, State Entomologist, Atlanta, Ga.

10.20—Report of Arbitration Committee, W. C. Reed, Chairman.

## Section 8—Miscellaneous.

10.50—Report of Nomenclature Committee—(10 minutes). J. Horace McFarland, Chairman, and Harlan P. Kelsey.

11.00—"Accepted Horticultural Names—Will Arbitrarily Adopted Names Supersede Those in Common Use?"—(10 minutes). Prof. L. H. Bailey, Ithaca, N. Y.

11.10—Discussion—(20 minutes). Prof. E. R. Lake, John H. Dayton, D. S. Lake, W. W. Hoopes.

11.30—Report of Committee on Root Gall—(10 minutes). E. A. Smith, Lake City, Minn.

11.40—Question Box—(20 minutes). Led by J. W. Hill, Des Moines, Ia.

12.00—Unfinished Business—Resolutions—Adjournment.

## Entertainment.

Mr. T. J. Ferguson, Wauwatosa, is in charge, but has not had a free lance because the slogan is "Business First." And yet, on Friday afternoon, an automobile trip over the ideal roads around Milwaukee has been arranged through the courtesy of the Good Roads Association of Milwaukee County and the Merchants' and Manufacturers' Association.

There will be opportunities for visiting some of the mammoth local indus-

# Boddington's Gigantic Pansies

**BODDINGTON'S "CHALLENGE."** This mixture contains all the finest Giant strains of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion.

$\frac{1}{2}$  trade pkt. 25c., trade pkt. 50c.,  $\frac{1}{8}$  oz. 75c.,  $\frac{1}{4}$  oz. \$1.50,  $\frac{1}{2}$  oz. \$2.75, oz. \$5.00.

**SIM'S GOLD MEDAL MIXTURE.** Was awarded the First Prize and Gold Medal at the International Horticultural Exhibition, held at the Grand Central Palace, New York City, April, 1913. This splendid mixture is the result of years of painstaking selecting on the part of Mr. William Sim, Cliftondale, Mass. We are offering seed from the originator.

Trade pkt. 75c., 3 pkts. for \$2.00,  $\frac{1}{8}$  oz. \$3.50. Tr. pkt.  $\frac{1}{4}$  oz. Oz.

<b>TRIUMPH OF THE GIANTS.</b> Extremely large flower of beautiful colorings. Should be grown by every florist.....	\$0.50	\$2.75	\$10.00
<b>GIANT TRIMARDEAU.</b> Mammoth flowering, and in a good range of color.....	.15	.50	1.50
<b>GIANT MASTERPIECE (Frisled Pansy).</b> Petals beautifully waved; exquisite colors.....	.25	1.25	4.00
<b>GIANT MADAME PERRET.</b> Rich wine colors.....	.15	.85	3.00
<b>GIANT LORD BEACONSFIELD.</b> Deep purple violet, top petals light blue.....	.15	.50	1.50
<b>GIANT EMPEROR WILLIAM.</b> Ultramarine blue, purple eye.....	.10	.50	1.50
<b>GIANT GOLDEN QUEEN.</b> Bright yellow; no eye.....	.15	.60	2.00
<b>GIANT GOLDEN YELLOW.</b> Yellow; brown eye.....	.15	.75	2.50
<b>GIANT PRESIDENT MCKINLEY.</b> Golden yellow, large, dark blotch.....	.15	.85	3.00
<b>GIANT WHITE.</b> Violet spot.....	.10	.60	2.00

## Florists' Flower Seeds for Present Sowing

	Tr. pkt.	$\frac{1}{2}$ Tr. pkt.	Tr. pkt.
<b>CALCEOLARIA,</b> Boddington's Perfection Mixed.....	\$1.00	\$0.60	
<b>CINERARIA,</b> Boddington's Matchless Mixed.....	1.00	.60	
<b>CINERARIA,</b> Boddington's Stellata Mixed.....	1.00	.60	
<b>MIGNONETTE,</b> Boddington's Majesty. The finest of all the fancy varieties of Mignonette for Winter forcing.....	Per oz., \$7.50	1.00	.60
<b>PRIMULA Sinensis,</b> Boddington's Matchless Strain. Pure white, rose, scarlet, orange, royal blue and mixture.....	1.00	.60	
<b>PRIMULA obconica gigantea.</b> Lilac, rose, Ker mesina, pure white and mixture.....	.50	.30	
<b>PRIMULA malacoides.</b> Lilac, rose and white. Tr. pkt. 50c.; collection of 3 varieties, \$1.25.			
<b>SCHIZANTHUS Boddingtonii.</b> Select hybrids Tr. pkt. 75c.; 3 for \$2.00.			

5% discount for cash with order.



## Palm Seeds, Now Ready

	100	1000
<b>ARECA lutescens</b> .....	\$1.00	\$7.50
<b>KENTIA Belmoreana</b> .....	1.00	7.50
<b>KENTIA Forsteriana</b> .....	1.00	7.50
<b>LATANIA Borbonica</b> .....	.50	3.50
<b>MUSA Ensete</b> .....	.75	5.00
<b>PANDANUS utilis</b> .....	1.25	10.00
<b>PHOENIX Canariensis</b> .....	1.00	7.50
<b>PHOENIX reclinata</b> .....	.50	3.00

## Asparagus Seed

<b>PLUMOSUS NANUS.</b> True greenhouse grown. 100 seeds 50c., 250 seeds \$1.00, 1000 seeds \$3.50.	
<b>PLUMOSUS NANUS.</b> California grown. 100 seeds 50c., 250 seed 75c., 1000 seeds \$2.50.	

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128 Chambers Street,  
NEW YORK

tries, which members may select according to their own inclination.

### Exhibits.

This department is being handled by Mr. Albert F. Meehan, Dresher, Pa. Intending exhibitors should at once communicate with him.

E. S. Osborne, Rochester, N. Y., hopes to make up a special train for members in New York State and New England, to which through sleepers from Boston will be attached. Write Mr. Osborne.

### CLUB AND SOCIETY NOTES.

Owing to the very late season, the June Show of the Rhode Island Horticultural Society will be postponed to Friday, June 23, 1916. Send in entries on the blank provided for the

purpose two days before the show to Ernest K. Thomas, Secretary, Rhode Island State College, Kingston, R. I.

The annual June exhibition of roses, sweet peas, strawberries, hardy flowers, etc. by the Tarrytown Horticultural Society will be held at the Y. M. C. A. building, Tarrytown, N. Y. on Tuesday afternoon and evening, June 20, 1916, from 2 until 10 P. M. Admission free. See the prize schedule for list of special premiums. E. W. Neubrand is secretary.

The regular meeting of the Holyoke and Northampton Gardeners' and Florists' Club was held June 6th at the Botanic Garden of Smith College, Northampton, Mass. The principal business was the adoption of a schedule for the annual Flower Show, to be

held in Northampton, November 1st and 2nd. George Strugnell read a paper on hydrangeas, for the growing of which he has a good reputation. E. J. Canning exhibited a collection of flowering shrubs, including some of the lesser known kinds. In the greenhouses the visitors were chiefly attracted by a display of zonal and regal pelargoniums, Canterbury Bells, Gladiolus Peach Blossom and Clerodendron fallax.  
H. E. D.

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## SEED TRADE

### AMERICAN SEED TRADE ASSOCIATION

Officers—President, J. M. Lupton, Mattituck, L. I., N. Y.; First Vice-President, Kirby B. White, Detroit, Mich.; Second Vice-President, F. W. Bolgiano, Washington, D. C.; Secretary-Treasurer, C. E. Kendel, Cleveland, O.; Assistant Secretary, M. P. Willard, Jr., Cleveland, O. Chicago, Ill., June 20-22, next meeting place.

### One Week's Imports.

Imports at the port of New York of horticultural material, for the week ending June 2, were recorded as follows:

Bulbs—Netherlands, \$38; England, \$212; Bermuda, \$6; Japan, \$3.

Plants—France, \$39; Netherlands, \$405; England, \$4,928; Bermuda, \$150; Guatemala, \$427; Mexico, \$90; Trinidad, \$174; Brazil, \$25; Japan, \$34.

Clover Seed—Norway, \$7,911.

Grass Seed—Netherlands, \$301; Argentine, \$762.

Other Seed—Netherlands, \$1,705; England, \$20,049; Chile, \$1,900; British India, \$3,114; France, \$610; Hong-kong, \$160; Japan, \$284.

Nitrate of Soda—Panama, \$14,266.

### Notes.

New York, N. Y.—W. A. Sutherland, formerly with the Leonard Seed Company, Chicago, is now representing S. D. Woodruff & Sons, 82 Dey street, in the eastern states.

Rockford, Ill.—Condon Bros., seed growers, have purchased the McFarland farm, in Guilford township, and a large portion of it will be devoted to seed trials.

The Iowa Seed Dealers Association held their annual meeting at Des Moines, Ia., in the Savary Hotel on Wednesday and Thursday, June 7 and 8. It was a very successful and well attended meeting. Henry Field of Shenandoah is president and J. F. Sinn of Clarinda, secretary.

Theodore Outerbridge writes from Sunnylands, Bermuda, that the weather has been very cool there thus far this season but that rain is needed very badly and plants and bulbs are suffering for it. We should be very glad to share some of the rainfall which we have been getting in New England during the past fortnight.

Our advices from France state that there is a great shortage of labor with correspondingly high wages. Agricultural and horticultural productions, including seed growing, has been very much reduced this spring. Instead of growing seeds, growers prefer to raise potatoes and grains, which with a good deal less expense, command now very high prices.

## SWEET PEA HISTORY.

DEAR EDITOR:

In answer to the question of Earl at South on the Department of the Medical Writer, Sweet Peas in Horticulture of May 21D, page 726, I find several mistakes which I want to correct for the sake of history and nomenclature of the Winter-Flowering Sweet Peas. I hope you will correct the following facts which can be very easily proved by any mentioned firms.

Mr. Earl admits in his address, that the Earliest of All and Christmas Pink, of which I was the originator, are practically the same. I agree with him as they are today, but ten years ago or right after the introduction of the Earliest of All it was very similar to my first Winter Sweet Pea the Winter Blanch Ferry. He admits that the Earliest of All was introduced in 1898, which is correct. But Mr. Earl omits entirely how it has happened that two practically the same varieties bear two different names. One must surely be misrepresented and renamed.

My original Christmas Pink was grown by many growers before 1898, also before the introduction of Earliest of All. The first greenhouse of it was grown by Thos. Young Co., in the season 1895-6, and the first flowers so far as I can recollect, were sent to Thorley, New York, at the price of 50 cents per dozen flowers. Later it has been sent to Fleishman's and other New York flower stores. I was in charge of the greenhouses at that time.

In 1897-98 it was grown by many growers and the majority of the flowers were handled by Gunther Bros., commission florists, at that time in 30th street, New York, and by James Purdy. Those firms can show the old books, how much of the Christmas Pink they have handled. Now I ask Mr. Earl—who have named the Earliest of All, if it is the same as Christmas Pink? As I have mentioned before, today those two varieties are most the same, but ten years ago there was a big difference between them. The so-called Earliest of All was a very dwarf grower with a small flower. In 1906 Lester Morse raised the Christmas Pink seed for me, also the Earliest of All for other seedsmen on the same field. Asking him for his opinion about the two varieties, he says: "There is a big difference between the two. Yours is double, is large, is a very strong grower and comes two to three weeks later when planted side by side at the same time." Since that time many thousand growers came to the same conclusion and have returned to my old Christmas Pink.

After I have tried out the Earliest of All, I come to the point that this is the same Sweet Pea as my first bicolor, the Winter Blanche Ferry, which I have originated and grown by Mr. H. Bolte at Allentown, Pa., 1890 and when I was with Koge Bros., West Hoboken, N. J., in 1892-94. The Winter Blanche Ferry was never advertised and was grown only by several growers to whom I gave the seed, and in 1895 I

decided it is better of the much better Christmas Pink.

No doubt that all the old growers knew the name of the first Winter Sweet Pea, but it may be very misleading to the younger generation to have them believe that the Earliest of All was the first.

Yours very truly,

AME. C. ZVOLANKER.

Lompoc, Cal.

## THE PEONY CITY.

There was a notable gathering of the Civic League of Omaha, Neb., on the 7th of June. It was peony day and the exhibit of that flower was fine. It is the aim of the league to make Omaha the Peony City. There is a garden of fourteen acres of this flower in full bloom. The writer was sent for to make an address.

### Found at Last.

The trouble has been to find a peony for the northern belt of states for Decoration Day. There will be hundreds of blooms on that day and thousands two days after, but after seven years test in Nebraska the Umbellata Rosea has never failed. This is a beautiful fragrant pink. This year May was so cold we thought they would not come to time, but they came in on the home run gloriously, and now there is a great call for this flower.

C. S. HARRISON.

## PEONY EXHIBITION.

The American Peony Society in co-operation with The Horticultural Society of New York held a Peony Exhibition in the American Museum of Natural History, New York City, on June 9th to 11th. Our special notes on the exhibits and list of prize winners appears to have miscarried and we are, therefore, obliged to go to press without them this week.

The fourteenth annual meeting of the American Peony Society was held in the lecture room in connection with the exhibition.

A discussion on the naming of new varieties and the desirability of a simplification of the present nomenclature resulted in instructions to the secretary to correspond with raisers abroad setting forth the attitude of the American Society. Lemoine & Son of Nancy, France, were made honorary members as was also Sarah A. Pleas of Colorado, whose varieties Jubilee and Opal in her exhibit were very beautiful. The directors were authorized to hold a meeting next winter and arrange for a spring meeting in 1917 and it was decided to issue two bulletins for the coming year similar to those of 1916. On the question of admitting Garden Clubs to membership no decision was reached. Arrangements have now been completed for the planting of a full collection of peonies at Washington to be known as the American Peony Society collection. Philadelphia was chosen for the next exhibition.

The membership of the society is now 150, 34 new members having been added this year. The cash balance to the credit of the society is over \$1,700.

### CATALOGUES RECEIVED.

Roos Bros., Milton, Mass.—Special Prices on Dutch Bulbs for Immediate Acceptance.

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### PRIMULA CHINENSIS

(Chinese Primrose)

Michell's Prize Mixture. An even blending of all colors.	1/2 tr. pkt.	tr. pkt.
Alba Magnifica. White.	.60	1.00
Chiswick Red. Bright red.	.60	1.00
Duchess. White, with zone of rosy carmine, yellow eye.	.60	1.00
Holborn Blue.	.60	1.00
Kermesina Splendens. Crimson.	.60	1.00
Rosy Morn. Pink.	.60	1.00

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A great improvement over the old type, flowers much larger.	tr. pkt.
Lilacina. Pale lilac.	\$.50
Kermesina. Deep crimson.	.50
Rosea. Pink.	.50
Alba. White.	.50

### PRIMULA MALACOIDES

Lilac. Trade packet.	\$.50
Alba. White.	.50
Rosea. Light rose to carmine rose.	.50

Also all other Seasonable Seeds, Bulbs, Plants and Supplies.

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All First Size Bulbs

	100	1000
America, pink	\$1.25	\$10.00
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BLUE LIST OF WHOLESALE PRICES  
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Sweet Pea Ranch Lompoc, Cal.

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Best Winter flowering Pink Snapdragon on the market. Per pkt., \$1.00; 6 pkts. for \$5.00.

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Theodore Cobb, of the D. M. Ferry Co., Detroit, Mich., who spent several days in this city last week, was very active in promoting the proposed Seedsmen's Club.

(Misses Fanny, Theresa, Elizabeth,  
Helen, Mary, & J. M. Moore. "Sweet Company"  
arrived at 7 P.M. early at Tampa, and the First  
Colonel, Frederick, and Misses Anna, Caroline,

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Albany, N. Y.—The Rosery, 23 Steuben St.  
Albany, N. Y.—William C. Gloeckner, 97 State St.  
Boston—Thos. F. Galvin, 1 Park St.  
Boston—Penn the Florist, 124 Tremont St.  
Boston—Zinn the Florist, 4 Park St.  
Buffalo, N. Y.—S. A. Anderson, 440 Main St.  
Buffalo, N. Y.—Palmer's, 304 Main St.  
Chicago—William J. Smyth, Michigan Ave. and 31st St.  
Cleveland, O.—J. M. Gasser Co., Euclid Ave.  
Cleveland, O.—Adam Graham & Sons, 5523 Euclid Ave.  
Cleveland, O.—Knoble Bros., 1836 W. 25th St.  
Cleveland, O.—The Smith & Feters Co., 735 Euclid Ave.  
Denver, Col.—Park Floral Co., 1643 Broadway.  
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Houston, Tex.—Kerr, The Florist.  
Kansas City, Mo.—Samuel Murray, 1017 Grand Ave.  
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New York—A. T. Bunyard, 413 Madison Ave., at 48th St.  
Norwich, Conn.—Reuter's.  
Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.  
Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave., N.  
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St. Paul, Minn.—Holm & Olson, Inc.  
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## NEWS ITEMS FROM EVERYWHERE

### CHICAGO.

Louis H. Winterson has left the seed business to deal in real estate.

S. Y. Bloom, 822 E. 63rd street, and Alta Levy have selected June 18th as their wedding day.

Miss Elsa Schnapp is now with J. Mangel as assistant in the Blackstone, where business is always good.

John Michaelson says that sales at E. C. Amling's ran \$12,000 ahead of last year's in the month of May.

Miss Virginia Poehlmann was graduated from the University School for Girls on the North Shore last week.

The A. F. Amling Co.'s new place at Maywood is having its heating plant installed this week. Four Kroeschell boilers, each of 300 horse power, will do the work.

Miss Josephine Then, daughter of Mr. and Mrs. Anton Then and well known to the trade, is seriously ill at the German hospital. At this writing she is said to be slightly improved.

Miss L. A. Tonner, who brings her stock of peonies each day to their wholesale store says that the rain and wind together have made a hard combination against peonies this year, but they are showing some very fine stock notwithstanding.

During Manager Lautenschlager's trip to Philadelphia, a community order was placed with him for new Kroeschell boilers and two car loads will be on the tracks when this is in print. The order includes two No. 15 boilers, one No. 14, one No. 12 and one No. 24 and their destination is Kennett Square, Pa.

Large shipments of palms, araucarias, pines and aspidistras have arrived recently for Frank Oechsli, Poehlmann Bros. Co. and Winterson's Seed Store. On account of war conditions and congestion at terminals some have been long on the way. Some of them, however, have reached their destination in splendid condition.

FLOWERS BY TELEGRAPH

## SAN FRANCISCO

CALIFORNIA

### Pelicano, Rossi & Co.

128 KEARNY ST.

No agreement has been reached as yet terminating the express employees' strike, but the office men were replaced promptly and the regular delivery of flowers to the trains is made daily by the committee and business goes on about as usual. By actual count, the express company's books show the handling of a larger number of orders the past four weeks than in a corresponding time last year.

The Vegetable Growers' Association of America, through the efforts of Fred Lautenschlager, are invited to hold their annual meeting this fall, in Chicago. The Association has never met further west than Grand Rapids, but there are so many engaged in market gardening and so much money invested in that business in and around Chicago that it is a most desirable place for meeting occasionally. Mr. Lautenschlager has got all the seed houses and the building material firms interested and with the entertainment part in his hands, success is assured. The executive board is meeting here June 15th for final arrangements.

### NEW YORK.

A joint meeting of the committees of the New York Florists' Club and the Horticultural Society of New York to formulate co-operative plans for next year's spring show, was held on Monday, June 12, at the Hotel Manhattan. No definite result was arrived at and the meeting adjourned until Monday, June 19, when it is expected that some mutual basis of co-operation will be reached.

The Tenth Annual Outing of the New York and New Jersey Association of Plant Growers will be held on June 27 at Forest Park Hotel, Forest Park, Pike County, Pa. The party will leave New York at 10.00 A. M. in a special car attached to the Lackawanna Limited, arriving at the hotel at 1.30 P. M. and in time for the mid-day dinner. Refreshments will be provided en route. Rooms, lodging and meals will be provided at the hotel until the afternoon of June 29th when the party will return to New York via special car. The tickets, including fare, auto, rooms, meals and all other expenses, are only \$15.00 per person. The affair has all

the indications of being one of the Association's most unique three-day outings and will provide a most enjoyable, "different" and economical outing in the mountains and in genial company for three days.

### PITTSBURGH.

Landscape men on all sides are complaining of continued scarcity of labor with no probability of relief in sight.

Clarence Mason Sallee of Pittsburgh was graduated last week from the Ohio State University with the degree of bachelor of Science in Horticulture.

DeForrest W. Ludwig served as chairman of the Floral Committee for the Milk and Ice Association's benefit performance at the Alvin Theatre last week.

During last week's celebration of the elimination of the R. R. grade crossings in Wilkesburg, Miss Emma B. Maxwell's display window was charmingly arranged with pink variegated caladium foliage. Miss Maxwell's processional float was also outlined with pink roses. William M. Turner had a most effective float composed of thousands of red and white peonies from which was scattered along the trail five thousand carnations of corresponding shades.

### WASHINGTON, D. C.

July 19 has been selected for the annual field day of the Florists' Club of Washington, D. C. Captain William H. Ernest, chairman of the committee, predicted the event would be the most successful in the history of the club. Great Falls has again been selected for the event.

Harry B. Lewis was appointed chairman of the Preparedness Day committee with instructions to enter into the parade with as large a representation as possible. It was later announced that it was expected that more than 200 people directly connected with the

## HIGH GRADE PLANTS

For Retail Stores a Specialty

ASK FOR LIST

THOMAS ROLAND, Nahant, Mass.

# **PROFITS      PROFITS      PROFITS**

## **"HERE COMES THE BRIDE"**

There's Money in June Weddings and June Graduations and Commencement Days for the Florist **WHO KNOWS HOW TO PLEASE.**

We can supply you with strictly up-to-date accessories, which you **must** have if you want to give satisfaction. Stock up now and have the goods to show customers. Send for prices and you will be astonished to see how much you can do with a little money when you go straight to headquarters—**THE FLORISTS' SUPPLY HOUSE OF AMERICA.**

## **H. BAYERSDORFER & CO.**

**1129 Arch Street, PHILADELPHIA, PA.**

production of flowers would be in line.

A number of the florists entered very attractive floats in the automobile parade in Anacostia on Friday night of last week. Gude Bros. had ten decorated cars, one of which fea-

### **BOSTON.**

Ladies Night will be celebrated by the Gardeners' and Florists' Club of Boston at Horticultural Hall, on Tuesday evening, June 20.

Waban Rose Conservatories have taken the entire first floor adjoining the Boston Flower Exchange as a salesroom for their products and will occupy it as their headquarters on July 1.

### **WELCH BROS. CO. REORGANIZE.**

The advertisement of the reorganized Welch Bros. Co., wholesale cut flower dealers of Boston, appears on another page. Patrick Welch, president and treasurer of the corporation is well known to all our readers in every part of the country.

Wm. Henry Hass, who is elected manager, is well known in Boston. He has had long experience in the marketing of flowers, having been in the employ of Wm. H. Elliott for several years, and of late has been engaged as a salesman for Norris F. Comley, in the Boston Cooperative Flower Market. He is very popular, and is considered one of the cleverest and most capable salesmen in the wholesale florist trade.

Frank J. Reynolds, assistant manager, is widely known throughout New England, New York State and Canada, where he has travelled considerably and acquired an intimate acquaintance with practically all the florists in this section. He started in the florist business about twenty years ago with the firm of Welch Bros. and continued for about eight years, leaving this concern to go with N. F. McCarthy & Co.,

acting in the capacity of manager of that concern for several years.

He was a salesman for a number of growers in the Boston Flower Market for two years and has recently been with McAlpine & McDonald. He has



**HENRY J. HAAS.**

Manager Welch Bros. Co.

tured the telegraph delivery service. Alex B. Garden had two cars, and George C. Shaffer, Fred H. Kramer and Henry Witt were each represented by a decorated automobile. Adolph Gude was assistant marshal of the parade.



**FRANK J. REYNOLDS.**

Assistant Manager Welch Bros. Co.

a complete knowledge of the whole-sale shipping business.

There are not two men in New England connected with the florist business better fitted for the position to which they have been selected than Mr. Hass and Mr. Reynolds.

**A Florist's  
Necessity**

## **HART'S HANDY HANDLE**

Fits securely on any standard pot and by the use of a little chif-fon or ribbon gives you a Basket effect at a very small additional expense, increasing the price of your plants 100 per cent.

1	12 inches high,	\$2.50 per doz.	4	24 inches high,	\$5.00 per doz.
2	15 " "	2.50 " "	5	30 " "	6.50 " "
3	18 " "	4.00 " "	6	36 " "	9.00 " "

At Your Dealer's or Direct.

**GEO. B. HART, Manufacturer, 24 to 30 Stone Street, Rochester, N. Y.**

# PEONIES

IN ANY QUANTITY

Extra fine dark pink and large white

Good Stock, \$4 per 100

The Best, \$6 per 100

## THE LEO NIESSEN CO.

Wholesale Florists

1201-05 Race Street,

PHILADELPHIA, PA.

## EDWARD REID WHOLESALE FLORIST

1619 - 21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES  
and all Seasonable Varieties of Cut Flowers

## REED & KELLER Florists' Supplies

122 West 25th St., New York

We manufacture all our  
Metal Designs, Baskets, Wire Work & Novelties  
and are dealers in  
Decorative Glassware, Growers and  
Florists' Requisites

## Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000...\$1.85. 50,000...\$8.00. Sample free.  
For sale by dealers.

## E. G. HILL CO.

Wholesale Florists

RICHMOND, IND.

Please mention Horticulture when writing.

## MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH.

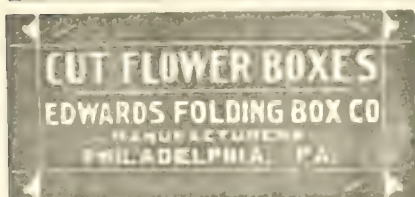
Telephone 2860 Madison Square

WOODROW & MARKETOS

WHOLESALE

Plantmen and Florists

37 and 39 West 28th St., NEW YORK



DAVID WELCH

EDWARD J. WELCH

# WELCH'S

Wholesale & Commission Florists

## FLORISTS' SUPPLIES

280-282 Devonshire Street,

BOSTON, MASS.

Tel. Fort Hill 1961-1965

# POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around  
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list

# WELCH BROS. CO. Wholesale Cut Flower Market

Daily consignments from  
leading growers

Full line of Florists'  
Supplies

Write for quotations before  
ordering elsewhere

226 DEVONSHIRE ST.,  
Telephone, Main 6267-6268

BOSTON, MASS.

## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON June 12		ST. LOUIS June 12		PHILA. June 12	
Roses						
Am. Beauty, Special	15.00	to	25.00	1.00	to	35.00
" " Fancy and Extra	10.00	to	1.00	6.00	to	10.00
" " No. 1	1.00	to	6.00	1.00	to	5.00
Riv. Bell, Hadley	2.00	to	12.00	5.00	to	12.00
Killarney, Richmond, Hillingdon, Ward, Extra	5.00	to	6.00	4.00	to	6.00
" " Ordinary	1.00	to	4.00	2.00	to	3.00
Arenburg, Radiance, Laft, Key, Extra	6.00	to	8.00	1.00	to	5.00
" " Ordinary	1.00	to	4.00	1.00	to	2.00
Ophelia, Mock, Sunburst, Extra	6.00	to	8.00	6.00	to	8.00
" " Ordinary	1.00	to	4.00	3.00	to	4.00
Carnations, Fancy	1.00	to	2.00	2.00	to	3.00
" " Ordinary	.50	to	1.00	.75	to	1.00
Cattleyas	20.00	to	25.00	40.00	to	50.00
Dendrobium formosum	35.00	to	1.00	1.00	to	1.00
Lilies	4.00	to	7.00	4.00	to	5.00
Lily of the Valley	4.00	to	5.00	3.00	to	4.00
Daisies	1.00	to	2.00	.25	to	.35
Mignonette	1.00	to	2.00	4.00	to	4.00
Snopdragon	3.00	to	6.00	3.00	to	4.00
Peonies	2.00	to	6.00	4.00	to	6.00
Gladioli	2.00	to	4.00	4.00	to	6.00
Calendulas	1.00	to	2.00	2.00	to	3.00
Stocks	1.00	to	2.00	2.00	to	4.00
Sweet Peas	1.00	to	1.00	1.00	to	1.00
Gardenias	20.00	to	25.00	10.00	to	1.00
Adiantum	1.00	to	1.00	1.00	to	1.00
Smilax	10.00	to	15.00	14.00	to	30.00
Asparagus Plumosus, & Spreng. / 100 Bchs	24.00	to	35.00	20.00	to	50.00

## WILLIAM F. KASTING Co.

Wholesale Florists

393-387 ELLICOTT ST.

BUFFALO, N. Y.

# J. A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and  
CARNATIONS  
A Specialty

WHOLESALE  
GROWER of

## CUT FLOWERS

In writing to Advertisers kindly mention Horticulture

## Flower Market Reports

**BOSTON** This is the big week of graduations, commencements and all sorts of anniversary events, etc., connected with the colleges, seminaries and schools of lesser grade which abound in New England. These affairs are using up large quantities of flowers, as usual, and the Boston wholesale market has been to that extent revelling in comfort and joy. Besides, there have been lots of weddings, which supplied an outlet for choice material appropriate for such occasions. Whatever may come afterwards another week of this sort of business is reasonably assured and a good market can be counted upon. Prices run low, however, as there is a heavy supply coming in still and the demand, good as it is, has not been sufficient to create famine conditions sufficient to justify any boosting of prices. Lily of the valley is the only exception and the chances are that it will be at high notch for a long time to come.

The previous week was **BUFFALO** rather a hard one on the wholesaler and grower, especially the peony shipper and the local carnation man. There was an oversupply on these two items though had there been any demand the early part of the week the balance of the week could easily have taken care of itself. Peonies simply would not move at any price and when the time came for sales the quality had failed. The same may be said of carnations and the weather naturally was the full cause. Roses, beauties, lilies and other stock are also plentiful, though these items have moved more freely. Since Monday, the 12th, a better situation has existed, more life in the buyers and speculative buying more brisk, and it looks like a more profitable week.

In spite of handicaps **CHICAGO** Chicago market is disposing of a vast quantity of stock daily. The weather has been very conducive to soft stock and there is more or less coming that way, but also there is much that is of high grade and all of this sells to good advantage. The poorer grades are worked off for cheaper work and special sales and curbstone business. It is frequently asserted by men long in the business that the year so far is making as good a record in the sales books as other years. Wedding orders are coming in fast and using up much of the best grade of stock, particularly roses and peonies. Of lily of the valley there is a shortage and as some is included in nearly every wedding order there is a lively skirmish to locate it. There are plenty of short roses to meet any demand but of the longer ones there are more to spare. Some very fine American Beauties are now seen. Peonies are including some that are soft but the greater part are counted good stock and there will be enough in cold storage to last some time. Field daisies with long stems are plentiful. Sweet peas are inclined to be soft and are not shipping particularly well.

**CINCINNATI** Business has become quiet and stock is plentiful. Prices are



## RAMBLER SPRAYS

The first cuts from Washington, then Baltimore, Philadelphia and New York.

\$5 to \$25 per 100 sprays

**PEONIES**, Unlimited quantities, all the best decorative varieties. \$3, \$4, \$5, per 100. Special prices in large quantities.

## S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

**PHILADELPHIA** 1608-1620 Ludlow St. **NEW YORK** 117 W. 28th St. **BALTIMORE** Franklin & St. Paul Sts. **WASHINGTON** 1216 H St., N. W.

## WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI June 12	CHICAGO June 12	BUFFALO June 12	PITTSBURG June 5
<b>Roses</b>				
Am. Beauty, Special.....	25.00 to 30.00	30.00 to 40.00	20.00 to 25.00	15.00 to 20.00
" " Fancy and Extra.....	15.00 to 20.00	20.00 to 30.00	15.00 to 20.00	10.00 to 12.00
" " No. 1.....	8.00 to 10.00	10.00 to 20.00	10.00 to 15.00	6.00 to 8.00
Russell, Hadley.....	8.00 to 15.00	3.00 to 20.00	..... to .....	6.00 to 10.00
Killarney, Rich'm'd, Hill'don, Ward Ord.	8.00 to 10.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00
Arenburg, Radiance, Taft, Key, Ex. Ord.	4.00 to 6.00	2.00 to 4.00	3.00 to 6.00	3.00 to 4.00
Opheia, Mock, Sunburst, Extra Ordinary	8.00 to 10.00	6.00 to 10.00	..... to 8.00	6.00 to 10.00
Carnations, Fancy.....	4.00 to 6.00	2.00 to 5.00	4.00 to 6.00	3.00 to 4.00
Ordinary.....	2.00 to 3.00	2.00 to 3.00	4.00 to 2.50	2.00 to 3.00
Cattleyas.....	..... to 1.50	1.00 to 2.00	1.00 to 2.00	1.00 to 1.50
Dendrobium formosum.....	50.00 to 60.00	40.00 to 60.00	40.00 to 50.00	50.00 to 60.00
Lilies.....	..... to .....	..... to .....	..... to .....	..... to .....
Lily of the Valley.....	10.00 to 12.50	8.00 to 12.00	6.00 to 10.00	6.00 to 10.00
Daisies.....	..... to 5.00	4.00 to 6.00	4.00 to 6.00	4.00 to 5.00
Mignonette.....	..... to .....	.25 to 1.00	.50 to 1.00	2.00 to 3.00
Snapdragon.....	..... to .....	3.00 to 6.00	1.00 to 2.00	..... to .....
Peonies.....	4.00 to 8.00	4.00 to 8.00	3.00 to 6.00	..... to .....
Gladioli.....	..... to .....	4.00 to 8.00	3.00 to 6.00	2.00 to 8.00
Calendulas.....	4.00 to 6.00	6.00 to 10.00	3.00 to 6.00	4.00 to 8.00
Stocks.....	2.00 to 4.00	2.00 to 3.00	1.00 to 3.00	..... to .....
Sweet Peas.....	2.00 to 3.00	..... to .....	1.50 to 3.00	..... to .....
Gardenias.....	.50 to .75	.50 to 1.00	.50 to 1.00	.30 to .75
Adiantum.....	..... to .....	.10 to 1.50	10.00 to 15.00	..... to .....
Smilax.....	..... to 1.00	1.00 to 1.50	1.00 to 1.25	1.00 to 1.25
Asparagus Plu. & Spreu. (100 Bhs.)	15.00 to 20.00	12.00 to 20.00	15.00 to 20.00	15.00 to 20.00
	25.00 to 30.00	25.00 to 50.00	20.00 to 30.00	35.00 to 50.00

rather low. The rose supply is large but only a part of it is of high quality. Carnations have been affected by the heat and but a few are really good. Gladioli and lilies are plentiful. Some good sweet peas may be had. Orchids and lily of the valley have an excellent demand. Snapdragon and water lilies meet with a fair call.

**NEW YORK** We record with much satisfaction a decided change for the better in this week's trading. The rose supply has been reduced and they as well as carnations are moving nicely—the latter at considerably better prices. Lily of the valley is particularly strong. Peonies are abundant and cheap but, as with everything else, "there is always room at the top" and it is surprising to see the avidity with which some magnificent specially cultured peony blooms now coming in from one grower are taken up at good prices, while large quantities of ordinary quality remain unsold. It is only fair to remark that Henry Weston is the grower of these flowers and John Young & Co. sell them—or, rather, they sell themselves at John Young & Co.'s! Lilies are down to

the usual late spring prices. Cattleyas are superb and plenty of them but, like the peonies above alluded to, only the top-notchers bring a respectable price.

After a stroll **PHILADELPHIA** around the cut flower market here your correspondent has come to the conclusion that the eternal principles (whatever they may be) of the Republican party must be upheld, and that if there had not been so many peonies around things would not have been so bad, and that the standard bearers of the new crusade are a polar bear and an icicle, and that American Beauty and other red roses sold pretty well, but the horrible mess Democracy has made in our foreign policy has demoralized the markets of the world and brought in too many Easter lilies at a time when they were not wanted. While the carnations are plentiful and of splendid quality the horrible snub that Wanamaker gave to Brumbaugh has put a damper on the splendid demand that everyone expected. Orchids would sell better if the Seminole Indians down near

(Continued on page 838)

**H. E. FROMENT**

Wholesale Commission Florist  
Choice Cut Flowers

New Address, 143 West 28th St., NEW YORK  
Telephone: 2200, 2201, Madison Square.

**MOORE, HENTZ & NASH**

Wholesale Commission Florists

55 and 57 West 26th Street  
Telephone No. 786  
Madison Square **New York**

**WM. P. FORD**

Wholesale Florist

107 W. 28th Street, NEW YORK

Telephone 5335, Farragut.

Call and inspect the Best Establishment  
in the Wholesale Flower District.

**GEO. C. SIEBRECHT**

WHOLESALE FLORIST

109 WEST 28th ST

CONSIGNMENTS SOLICITED

PHONE 608 / 609 / MADISON SQ., NEW YORK

**JOHN YOUNG & CO.**

WHOLESALE FLORISTS

53 WEST 28th STREET NEW YORK CITY

Consignments Solicited

Phone 7862 Madison Square

**THE KERVAN COMPANY**

Ferns, Mosses, Wild Smilax, Galax,  
Leucothoe, Palmetto, Cycas, both fresh  
cut and prepared.

Laurel, Hemlock, all Decorative Evergreens.  
Tel. (583) / (583) / Mad Sq. 119 W. 28 St., New York

**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS  
28 Willoughby St., Brooklyn, N. Y.

**M. C. FORD**

121 West 28th St., NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.  
Telephone 8870 Farragut.

**GEORGE B. HART**

WHOLESALE FLORIST

24 Stone St., Rochester, N. Y.

**RIEDEL & MEYER, Inc.**

Wholesale Commission

READY FOR BUSINESS

49 WEST 28th ST. NEW YORK.

**P. J. SMITH**

WHOLESALE COMMISSION FLORIST SELLING AGENT FOR  
LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes

TELEPHONE 2281 / 3089 / FARRAGUT 131 West 28th St., NEW YORK CITY

**ALBANY CUT FLOWER EXCHANGE**

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.

WHOLESALE ONLY  
SAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US  
Prices Right. Consignments Solicited. Telephone Connection

HEADQUARTERS FOR NOVELTIES

**ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS  
GARDENIAS, DAISIES, ROSES, CARNATIONS

JAMES McMANUS, TELEPHONE 105 W. 28th St., New York  
FARRAGUT 759

Centrally Located, The Hub of the Flower Market Section

**CHARLES MILLANG**

Wholesale Florist

55 and 57 W. 26th Street, - - NEW YORK

Telephone 7062 Madison

**BADGLEY & BISHOP, Inc.**

WHOLESALE FLORISTS, 34 West 28th St., New York

Telephones 1664 / 1665 / Madison Square CONSIGNMENTS SOLICITED

NEW YORK QUOTATIONS PER 100. To Dealers Only

**ROSES AND CARNATIONS**

	Last Half of Week ending June 10 1916		First Half of Week beginning June 12 1916	
American Beauty, Special	20.00	to 25.00	25.00	to 30.00
" Fancy and Extra	10.00	to 15.00	10.00	to 15.00
" No. 1	3.00	to 6.00	3.00	to 6.00
Russell, Hadley	3.00	to 20.00	2.00	to 10.00
Killarney, Richmond, Hillingdon, Ward, Extra	3.00	to 6.00	3.00	to 6.00
Ordinary	1.00	to 2.00	1.00	to 2.00
Arenburg, Radiance, Taft, Key, Extra	4.00	to 6.00	4.00	to 8.00
Ordinary	1.00	to 3.00	1.00	to 3.00
Ophelia, Mock, Sunburst, Extra	4.00	to 8.00	4.00	to 8.00
Ordinary	2.00	to 3.00	2.00	to 3.00
Carnations, Fancy	1.50	to 2.00	2.00	to 3.00
Ordinary	1.00	to 1.50	1.00	to 1.50

**WALTER F. SHERIDAN**

Wholesale Commission Dealer in

**CHOICE CUT FLOWERS**

133 West 28th Street, New York

Telephone—3532-3533 Madison Square

Frank H. Traendly

Charles Schenck

**TRAENDLY & SCHENCK**

Wholesale Florists

436 6th Avenue, Between 26th and 27th Sts., New York

Telephones: 797-798-799 Farragut

Consignments Solicited

**WALTER R. SIEBRECHT CO.**

Incorporated

Wholesale Commission Florists

Orchids, Gardenias and Many Unusual  
Flowers of Quality.

114 West 28th Street  
NEW YORK

**HENRY M. ROBINSON CO. OF NEW YORK**

WHOLESALE FLORISTS

55-57 West 26th Street

Telephones, 13—8510 Madison Square

Consignments Solicited

MAURICE L. GLASS, Treasurer

## Flower Market Reports

(Continued from page 834)

Jupiter, Florida, who still think they own slaves and don't know that the war of sixty-one is over, would wear those flowers themselves instead of flooding the market here with them. We could not make much sense out of all this, but we pass it along for wiser heads to puzzle out.

For the time being the game is over, and the trade is philosophically and contentedly nibbling at the odds and ends of business, as it were. As for the flowers themselves, there are even more than plenty, the really good ones going at fair prices, the ordinary ones at "any old prices," as a wholesale man put it. On the past two Saturdays the downtown streets have been noticeable for the number of boys disposing of good carnations at practically the purchasers' prices. Present prospects are that material will shorten up very quickly. Lilies of the valley, particularly, will be scarce. Just now growers are busy replanting their houses.

Demand and quality of stock are both good and business among the retailers has been fine. The many rain storms have hurt outdoor stock greatly. Prices remain as quoted last week. Roses are still in good condition. These and lily of the valley have a big call. Carnations are also in demand and the supply is not overabundant. Gladioli sell well and window displays of them are seen everywhere. Hardy white phlox has a big demand, also coreopsis.

Stores were exceptionally busy last week. Stock continues plentiful and for the most part good. Flowers, usually burnt up by the middle of June, are coming into the market in fair saleable shape. This is particularly true of carnations and sweet peas. Roses from the north are very good and find ready sale. Lilies, of which there is a large supply, move but slowly. Lily of the valley continues scarce and continues to bring \$6 per hundred. Pond lilies are being received in larger quantities. Rambler roses are quite late this year and at this writing the market is caught short, with a good demand. Tausendschoen and others of the early varieties are passing off the market; Dorothy Perkins and the later varieties are only just beginning to show color.

### PERSONAL.

Announcement of marriage intentions has been made by Wm. M. Post, florist, New Bedford, Mass., and Laura Jolicoeur.

Professor Arno H. Nehrling, department of floriculture, Mass. Agricultural College, Amherst, and Miss Ada Kathryn Joseph, of Jasper, Ind., will be married on June 29th at South Bend, Ind.

Announcement has been received of the marriage of Thomas Boothe De Forest of the Lord & Burnham Company's New York office to Jessie Lord, daughter of Mr. and Mrs. W. A. Burnham, on Saturday, June 10, at Irvington-on-Hudson, New York.

## PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

TELEPHONE MAIN 2698

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M.

## NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending June 10 1916		First Half of Week beginning June 12 1916	
Cattleyas	15.00	to 25.00	15.00	to 35.00
Dendrobium formosum	20.00	to 25.00	20.00	to 25.00
Lilies	8.00	to 5.00	3.00	to 5.00
Lily of the Valley	1.00	to 4.00	2.00	to 5.00
Daisies	.50	to 1.00	.50	to 1.00
Mignonette	1.00	to 3.00	1.00	to 2.00
Snopdragon	2.00	to 6.00	2.00	to 6.00
Peonies	.50	to 2.00	.50	to 2.00
Gladioli	2.00	to 4.00	1.00	to 4.00
Calendulas	1.00	to 2.00	1.00	to 2.00
Stocks	1.00	to 2.00	1.00	to 2.00
Sweet Peas	.25	to .75	.15	to .75
Gardenias	4.00	to 12.00	4.00	to 15.00
Adiantum	.50	to 1.00	.50	to 1.00
Smilax	10.00	to 12.00	10.00	to 12.00
Asparagus Plumosus, & Spreng (100 bunches)	15.00	to 25.00	15.00	to 25.00

## I Can Sell Them For You!

I have an unlimited market for your flowers, any variety, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty-eight years in the Cut Flower Commission Business.

Write for information or call and talk it over.

TELEPHONE

167 & 3058 Farragut

## J. K. ALLEN

118 West 28th Street

NEW YORK

Established 1888

Tel. 551 Farragut

## GUNTHER BROS.

Wholesale Commission Florists

110 West 28th St., New York

We Solicit Consignments of New England Grown Novelties.

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115 WEST 25TH STREET  
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New York.—R. H. C. Bard, Syracuse, N. Y.

Cleveland, O.—J. K. M. L. Farquhar, Boston, Mass.

Pittsburgh, Pa.—H. E. Bates, Rochester, N. Y., representing Lord & Burnham Co.

Washington, D. C.—Julius Dilloff, New York; R. W. Taylor, with Langhan's flower shop, Wheeling, W. Va.; Hugo F. Hoffman and C. D. Miller, Jacksonville, Fla.

Chicago — John Eitel, Greencastle, Ind.; Chas. A. Moss, Spartanburg, S. C.; T. W. Reed of Waco Floral Co., Waco, Texas; Geo. Dysinger, representing Ionia Pottery Co., Ionia, Mich.

Philadelphia — Robert Halliday, Baltimore, Md.; C. B. Coe, D. M.

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Flowers Sold on Commission

Consignments of  
Good Stock Solicited

PERCY W. RICHTER, Mgr., NEW YORK  
111 W. 28th Street

## HERMAN WEISS

Wholesale Florist

Experienced, Progressive and can handle shipments of growers' product satisfactorily.

106 West 28th St., NEW YORK  
Tel. Farragut 3066.

STRAIGHT WHOLESALE ONLY

## FRANK MILLANG

CUT FLOWERS

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NO DESIGNS MADE UP

Ferry & Co., Detroit, Mich.; T. J. Nolan, King Construction Co., N. Tonawanda, N. Y.; Herbert Pennock, Jupiter, Fla. T. J. Nolan, King Construction Co., Scranton, Pa.

Cincinnati — Fred Brueggemann, manager of P. J. Olinger's greenhouses at New Castle, Ind.; I. Bayersdorfer of H. Bayersdorfer & Co., Phila., Pa.; Mr. Kegander, representing A. L. Randall Co., Chicago, Ill.; Henry Ehrhard, Sidney, Ohio.

## WE ARE WHOLESALE FLORISTS

We handle every variety of cut flowers. We have 22 years' experience behind us, and we do not expect a gold medal for doing our full duty by our consignors and customers. You cannot go very far wrong when dealing with us.

## GUTTMAN & RAYNOR, Inc.

101 West 28th Street, NEW YORK  
Phones 2036, 2037, 538 Farragut

# Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

## ACCOUNTANT

R. Dwyer, 40 State St., Boston.  
For page see List of Advertisers.

## APHINE

Aphine Mfg. Co., Madison, N. J.  
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## APHIS PUNK

Nectine Mfg. Co., St. Louis, Mo.  
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## ASPARAGUS

W. H. Elliott, Brighton, Mass.  
Asparagus Plumosus Nanus.  
For page see List of Advertisers.

Asparagus Plumosus Seedlings, \$5.00 per 1000. Ready May 1st. COLLINGDALE GREENHOUSES, Collingdale, Pa.

## ASTER PLANTS

ASTERS. Several kinds in seed and ready for planting. Write for prices. Delivery guaranteed. Ready in a few days. HARRY T. SOUTHER, Rutherford, N. J.

## AUCTION SALES

The MacNitt Horticultural Co., New York City.  
For page see List of Advertisers.

Elliott Auction Co., New York City.  
Plant Auctioneers.  
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## AZALEAS

P. Onwerkerk, Hoboken, N. J.  
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## BASKETS

H. Bayersdorfer & Co., Philadelphia, Pa.  
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## BAY TREES

BAY TREES. Write for wholesale price list.  
JULIUS ROEHRS CO., Rutherford, N. J.

## BEDDING PLANTS

A. M. Davenport, Watertown, Mass.  
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A. N. Pierson, Inc., Cromwell, Conn.  
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R. Vincent, Jr. & Sons Co., White Marsh, Md.  
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A. Leuthy Co., Roslindale, Mass.

C. C. Trepel, Brooklyn and New York, N. Y.  
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Surplus stock of Double Petunias, Geraniums in variety, Salvia, all good stock, 4 in. \$8.00 per 100. 6 in. \$10.00 per 100. HARRY S. BETZ NURSERY CO., D St. and Wyoming Ave., Philadelphia, Pa.

Bedding plants: Geraniums, Nutt, Ricard, Poitevine, Vland, Buchner and Rose geraniums, 2 1/2 in. \$2.00 per 100. 3 in. \$2.50 per 100. Cannas, Austria and Robusta (bronze) 2 1/2 in. \$6.00 per 100. 3 in. \$7.00 per 100. 4 in. \$8.00 per 100. 5 in. \$9.00 per 100. 6 in. \$10.00 per 100. Dracaena Indivisa, 5 in., \$20.00 per 100. Sallerol geraniums, Colens Trailing Queen, double Sweet Alyssum, Begonia Vernon, white Marguerites, blue Agapanthus, 3 in. \$4.00 per 100. C. S. F. SOKOL, College St., Worcester, Mass.

## BEGONIAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.  
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A. M. Davenport, Watertown, Mass.  
Rex Begonias.  
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## BEGONIAS

Lorraine, 2 1/2 in. pots, \$12.00 per 100; Cincinnati, 2 1/2 in. pots, \$15.00 per 100; Mrs. J. A. Peterson (New), 2 1/2 in. pots, \$25.00 per 100; \$200.00 per 1000.  
JULIUS ROEHRS CO., Rutherford, N. J.

## BOILERS

Kroeschell Bros. Co., Chicago.  
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King Construction Co., North Tonawanda, N. Y.

"King Ideal" Boiler.  
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Hutchings & Co., New York City.  
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Lord & Burnham Co., New York City.

## BONES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.  
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Folding cut flower boxes, the best made. Write for list. HOLTON & HUNKEL CO., Milwaukee, Wis.

## BOX TREES

BOX TREES—Standards, Pyramids and Bush. Price list on demand.  
JULIUS ROEHRS CO., Rutherford, N. J.

## BULBS AND TUBERS

J. M. Thorburn & Co., New York City.  
Gladlioli.  
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Ralph M. Ward & Co., New York City.  
Lily Bulbs.  
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August Rolker & Sons, New York City.  
Forcing Bulbs and Plants.  
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R. & J. Farquhar & Co., Boston, Mass.  
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Chas. Schwake & Co., New York City.  
Horticultural Importers and Exporters.  
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A. Henderson & Co., Chicago, Ill.  
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Burnett Bros., 98 Chambers St., New York.  
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Mr. B. Progressive, Florist,  
Everywhere, U. S. A.

Best site. It will be a decided advantage to regard prices and quality to place your order with.

Soliciting your order through this ad will save the overhead and selling expenses and you positively get lower prices and better quality. Our terms are liberal and we guarantee that you get a bargain deal, all bulbs guaranteed true to name or money refunded.

Write us and upon request we will mail you our booklet giving prices f. o. b. New York or Chicago and we will cheerfully furnish you with any information that may be desired. Those of our friends who will mail us a list of their requirements will find it has paid them to do so.

A catalogue, hear from you at your pleasure, we remain,  
Yours very truly,

W. A. WESTERBEEK & KLAN, 14 STONE ST., NEW YORK, N. Y.

## BULBS AND TUBERS—Continued

Henry F. Mitchell Co., Philadelphia, Pa.  
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Joseph Breck & Sons Corp., Boston, Mass.  
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W. E. Marshall & Co., New York City.  
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Arthur T. Boddington Co., Inc., New York City.  
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Fottler, Fliske, Rawson Co., Boston, Mass.

C. KIRK & SONS, HILLIGOM, Holland.  
Bulbs of all descriptions. Write for prices.  
NEW YORK Branch, 8-10 Bridge St.

## CANNAS

Reuben J. Irwin, New York City.  
For page see List of Advertisers.

Newest list of the newest Cannas just out. Complete assortment of the finest sorts, at remarkable rates.

Send for list today.

THE CONARD & JONES CO.  
West Grove, Pa.

## CARNATIONS

Cottage Gardens Co., Inc., Queens, N. Y.  
New Carnation Cottage Maid.  
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Wood Bros., Fishkill, N. Y.  
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F. Dorner & Sons Co., Lafayette, Ind.  
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## CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 postpaid. I. L. PILLSBURY, Galesburg, Ill.

## CHRYSANTHEMUMS

R. Vincent, Jr. & Sons Co., White Marsh, Md.  
Pompon Chrysanthemums.  
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Elmer D. Smith, Adrian, Mich.  
New Chrysanthemum Catalogue for 1916.  
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Guttman & Rayner, Inc., New York City.  
Early Lavender Pink Chrysanthemum  
Alex Guttman, also Emma, a Garza Anemone, Double Pompon, pale pink.

## CYCLAMEN

CYCLAMEN. Best strain. Separate colors or mixed, 3 in. pots, \$8.00 per 100, for May delivery.

JULIUS ROEHRS CO., Rutherford, N. J.

## DAHLIAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.  
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Send for Wholesale List of Whole clumps and separate stock; 40,000 clumps for sale. Northboro Dahlia and Gladiolus Gardens, J. L. MOORE, Prop., Northboro, Mass.

IF YOU INTEND growing Dahlias for cut flowers then you will make no mistake if you will try my assortment, especially selected for cut flower production. Three whites, 3 pinks, 1 red, 1 yellow, 1 lavender, 1 fancy; all field roots, labeled true to name; per 100, 10 of each kind, \$3.00; per 1000, 100 of each kind, \$25.00. 50 at 100 and 500 at 1000 rates. Cash with order. Guarantee entire satisfaction. If interested in Dahlias, then please send for my wholesale trade list of Dahlias.

MANNETTO HILL NURSERIES,  
W. A. FINGER, Prop., Hicksville, N. Y.

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**DAHLIAS—Continued**

**NEW PAEONY DAHLIA**  
John Wanamaker, Newest, Handsomest.  
Best. New color, new form and new habit  
of growth. Big stock of best cut-flower  
varieties. Send list of wants to  
**PEACOCK DAHLIA FARMS, Berlin, N. J.**

**DECORATIVE PLANTS**

Robert Craig Co., Philadelphia, Pa.  
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Woodrow & Marketos, New York City.  
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Bobbink & Atkins, Rutherford, N. J.  
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Thomas Roland, Nahant, Mass.  
High Grade Plants for Retail Florists.  
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A. M. Davenport, Watertown, Mass.  
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A. Leuthy Co., Roslindale, Mass.

**DRACAENAS**

Dracaena Indivisa, nice plants, 4 in., \$10  
and \$15 per 100; 5 in., \$20 and \$25 per 100.  
Cash. **CHAS. H. GREEN, Spencer, Mass.**

**EXCURSIONS**

Hudson Navigation Co., New York City.  
To the Heart of Lelsureland.  
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**FERNS**

H. H. Barrows & Son, Whitman, Mass.  
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**FERTILIZERS**

R. & J. Farquhar & Co., Boston, Mass.  
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Pulverized Manure Co., Chicago, Ill.  
Wizard Brand Cattle Manure.  
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**FLORISTS' PLANT STOCK**  
Anglin & Walsh Co., Williamsbridge, N. Y.  
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Reed & Keller, New York City.  
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**FLOWER POTS**

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**FUNGICIDES**

Aphine Mfg. Co., Madison, N. J.  
Fungine.  
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**GERANIUMS**

R. Vincent, Jr. & Sons Co.  
White Marsh, Md.  
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Geraniums out of 3½ inch pots, \$7.00 per  
100. Cash please. **LEONARD COUSINS,  
JR., Concord Junction, Mass.**  
S. A. Nutt, R. C., \$10.00 per 1000; 3 in.,  
\$5.00 per 100; 4 in., \$8.00 per 100. **FRANK  
LEITH & SON, Haverhill, Mass.**  
Geraniums, 3½ inch, in bud and bloom,  
\$7.00 per 100. S. A. Nutt, Poltevine, Vinca  
Variegated, 4 inch, heavy, \$12.00 per 100.  
Cash. **CHAS. H. GREEN, Spencer, Mass.**  
**GERANIUMS**—1500—3½-in., 5 varieties  
assorted, good bedding stock, in bud and  
bloom, \$6.50 per 100, cash. 200 Fuchsias,  
\$7.00 per 100. **WALKER THE FLORIST,  
No. Dighton, Mass.**

**GLADIOLI**

J. M. Thorburn & Co., New York City.  
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A. Henderson & Co., Chicago, Ill.  
Forcing Gladioli.  
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**GLASS**

Sharp, Partridge & Co., Chicago.  
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Parshelsky Bros., Inc., Brooklyn, N. Y.  
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Greenhouse glass, lowest prices. **JOHN-  
STON GLASS CO., Hartford City, Ind.**

**GLAZING POINTS**

H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.  
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**GREENHOUSE BUILDING MATERIAL**

King Construction Co., N. Tonawanda, N. Y.  
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Lord & Burnham Co., New York City.

A. T. Stearns Lumber Co., Neponset,  
Boston.  
Pecky Cypress.

**GREENHOUSE CONSTRUCTION**

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S. Jacobs & Sons, Brooklyn, N. Y.

Lord & Burnham Co., New York City.

A. T. Stearns Lumber Co., Boston, Mass.

**GUTTERS**

King Construction Co., N. Tonawanda, N. Y.  
King Channel Gutter.  
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**HAIL INSURANCE**

Florists' Hall Asso. of America.  
J. G. Esler, Saddle River, N. J.  
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**HARDY FERNS AND GREEN GOODS**

Michigan Cut Flower Exchange, Detroit,  
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The Leo Niessen Co., Philadelphia, Pa.  
New Crop Dagger Ferns.  
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**HARDY PERENNIALS**

Bay State Nurseries, No. Abington, Mass.  
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**HART'S HANDY HANDLE**

Geo. B. Hart, Rochester, N. Y.  
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**HEATING APPARATUS**

Kroeschell Bros. Co., Chicago.  
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Lord & Burnham Co., New York City.

**HOT BED SASH.**

Parshelsky Bros., Inc., Brooklyn, N. Y.  
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Metropolitan Material Co., Brooklyn, N. Y.  
Non-Kink Woven Hose.  
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**HOTEL ACCOMMODATIONS**

Hotel Cumberland, New York City.

**HYDRANGEAS FOR SUMMER BLOOM-  
ING**

F. R. Pierson Co., Tarrytown, N. Y.  
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**INSECTICIDES**

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Eastern Chemical Co., Boston, Mass.  
Imp. Soap Spray.  
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**IRIS**

John Lewis Childs, Flowerland, N. Y.  
German Iris.  
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**LILY BULBS**

Chas. Schwake & Co., New York City.  
Horticultural Importers and Exporters.  
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McHutchison & Co., New York.  
Lily Bulbs from Japan.  
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R. M. Ward & Co., New York, N. Y.  
Japanese Lily Bulbs of Superior Quality.  
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Joseph Breck & Sons Corp., Boston, Mass.  
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**LILY OF THE VALLEY PIPS**

Chas. Schwake & Co., Inc., New York City.  
Hohmann's Famous Lily of the Valley Pips.  
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Loechner & Co., New York City.  
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**LIQUID PUTTY MACHINE**

Metropolitan Material Co., Brooklyn, N. Y.  
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**MASTICA**

F. O. Pierce Co., New York City.  
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**NATIONAL NURSERYMAN**

National Nurseryman Publishing Co., Inc.,  
Hathboro, Pa.  
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**NIKOTEEN**

Nicotine Mfg. Co., St. Louis, Mo.  
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**NON-WRINKLE DUSTER**

G. L. Hamilton Co., Boston, Mass.  
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**NIKOTIANA**

Aphine Mfg. Co., Madison, N. J.  
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**In writing to Advertisers kindly mention Horticulture**

The S. S. Pennock-Meehan Co., Franklin  
and St. Paul Sts.  
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## New Offers in This Issue

W. A. Riggs, Auburndale, Mass.  
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**GIGANTIC PANSY SEED—FLOWER SEEDS FOR PRESENT SOWING.**

Arthur T. Boddington Co., Inc.,  
New York City.  
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## GREENHOUSE CONSTRUCTION.

Metropolitan Material Co., Brooklyn, N. Y.  
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HYDRANGEAS — MISCELLANEOUS  
GREENHOUSE AND BEDDING  
PLANTS.

F. R. Pierson Co., Tarrytown, N. Y.  
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## HYDRANGEAS — MISCELLANEOUS GREENHOUSE AND BEDDING PLANTS.

The S. S. Pennock-Meehan Co., 1216 H St.,  
N. W.  
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## WANTS, FOR SALE, Etc.

NEW PRICE LIST, WINTER OR-  
CHID-FLOWERING SWEET  
PEA SEED.

WANTED—An intelligent middle-aged man who understands propagating, potting and general commercial greenhouse work. A good permanent job awaits the right man. Address "B," care HORTICULTURE.

## SITUATIONS WANTED

**SITUATION WANTED** as outside foreman on large, private estate. Wages, \$60; board, room. "G. D.," Care **HORTICULTURE**.

**SITUATION WANTED** by married man, age 33, either at a nursery or private estate; best of references; please state wages. Address "L." care **HORTICULTURE**.

**NURSERY SITUATION WANTED**—As foreman; wide experience in all branches of the business; expert knowledge in all forms of propagation. References. Address **FOREMAN, care HORTICULTURE.**

## FOR SALE

**FOR SALE—GREENHOUSE PLANT.**

7400 sq. ft. of modern glass. Rebuilt four years ago. Steam heat. Good water power. Also one six room dwelling house with summer kitchen. Steam heat. Four acres of good garden. Fine location. Electric pass door. One mile from Gardner business center (17,000 population) and surrounded by numerous smaller towns. Good place to grow flowers or cucumbers. Owner going out of business and will sell at a great sacrifice. CARL J. ERICKSON, River Side Greenhouses, Gardner, Mass.

### FLORIST'S BUSINESS FOR SALE.

Fully equipped and doing a good retail business. On main thoroughfare, near two Cemeteries; 5c. fare from Boston. For particulars, call or write WILLIAM CHRISTIE, 39 Woodlawn Avenue, Everett, Mass.

# NUT-GROWER

The unique monthly publication which furnishes reliable and interesting up-to-date information regarding the value of pecans and other edible nuts and how to grow them for profit.

**Subscription, \$1.00 per year**

## Sample Copy Free

## THE NUT-GROWER

**No. 2 Francis St.**

**WAYCROSS, GA.**

**Advertisers kindly mention Horticulture**

# Plant Propagation Greenhouse and Nursery Practice By M. G. KAINS

So many discoveries of new facts by plant investigators, shortcuts and "wrinkles" worked out by plant propagators, and nursery, greenhouse and garden methods simplified or made more effective, have made books hitherto available on plant propagation out of date.

There has also been an insistent call for a volume that would not only include the character of information wanted by nurserymen and other plant propagators, but also discuss the subject of plant propagation from the standpoint of fundamental principles, and include the latest conclusions advanced by investigators throughout the world.

This new book by Professor Kains will appeal with equal force to the amateur, the professional propagator, and the teacher in agricultural colleges and schools.

The book devotes many pages to **special plant lists and condensed** directions for propagation of vegetables, fruits, annual and perennial flowers, bulbs, ferns, orchids, cacti, evergreens, deciduous trees and shrubs, vines, water plants, greenhouse and indoor plants and palms.

The table of contents includes: An introduction on general principles of germination, seed testing, potting, and sowing; the propagation of cuttings, graftage, and theories and laws, Daniel's experiments in graftage, the effects of graftage on the growth of plants, and the effects of graftage on the fruit of plants; the propagation of plants by methods of grafting considered individually, budding methods, nursery management, and laws affecting nursery stock.

Dimensions: 5 1/2 x 7 1/2 inches, 342 pages.  
Cloth. Price, net, \$1.50.

HORTICULTURE PUBLISHING CO.  
147 Summer St., Boston, Mass.

Leo. Niessen Co., 12th and Race Sts.  
For page see List of Advertisers.



# WEED KILLER

THE VERY NEWEST AND QUICKEST METHOD OF DESTROYING WEEDS, GRASS AND OTHER GROWTH IN GARDEN WALKS, GUTTERS, TENNIS COURTS, DRIVEWAYS, ETC.

This fluid absolutely destroys all weeds and other growth wherever applied, and its effect on the ground prevents the growth of fresh ones for a year and thus saves a great deal of time and labor as no cutting, hoeing or hauling away of the weeds is required.

We manufacture the strongest line of DISINFECTANTS on the market.

P.-L. CHEMICAL CO., 507-509 W. 19th St., New York

CORRESPONDENCE SOLICITED

## WHAT THE S. A. F. HAS A RIGHT TO EXPECT AT THE HOUSTON CONVENTION.

In an issue in one of the trade papers of June 3 an editorial appeared headed, "What Houston Has a Right to Expect." I wish to make reply to this article, and state what the S. A. F. has a right to expect at the Houston Convention.

The southern florists are alive to the importance of the meeting of the convention of the S. A. F. in the South this summer. We will avail ourselves of taking advantage of the opportunity in discussing such questions that will promote horticulture in general. We realize the great possibilities that lie before the southern horticulturists for development of our profession. We also realize the wonderful amount of good to be derived from the members of this organization in our midst, which will be a wonderful stimulant and of great help to the southern florists in discussing such matters that will tend to promote the cause of horticulture in the South.

On the other hand, we believe that the coming of the members of the S. A. F. from other sections to the South will be of great interest to them as they will have an insight into the possibilities that lie before the southern florists, and will, therefore, lay their plans to cooperate with us in the development of this section of the country.

But, why should we lay aside the important business of this society at the Houston Convention? We will have a large delegation from other sections, together with a record breaking delegation from the South, who have the interest of this Society at heart and are thoroughly familiar with the detail work of this organization, and are thoroughly prepared to vote on such matters that are of interest to the society. Time is not so short but we will be able to take up these questions

and vote upon them intelligently.

The membership will be a representative one, and there is no doubt in my mind but that it is only right and proper that these questions should be taken up at this time as they are scheduled. There was a feeling at the time the convention went to San Francisco that possibly the western members would take matters in their own hands, and vote upon such matters that would be to their own interest, and possibly not to the interest of the society as a whole. It was demonstrated at the San Francisco Convention that the western boys had the interest of the society at heart, and did not make any attempt at railroading matters that were to their selfish interest. You may expect the same at the Houston Convention. The society may expect the southern members to use their best judgment, and will vote upon such that will be of interest to the society as a whole.

I want to state here that insofar as I am personally concerned, I expect to work diligently to this end, and I believe there will be no opposition from the other members along these lines. Any attempt to table such questions that are scheduled for this meeting will certainly be fought to the limit.

Mr. Jno. Young, 53 W. 28th St., New York, has been named as a chairman of a committee to make plans and receive reservations for those who care to make the trip by water from New York to New Orleans for the Houston Convention.

This is considered an ideal trip, and all those going to the Convention from the East should take advantage of this opportunity and write Mr. Young immediately, advising him of their intention of making the trip by water. All members will go on the same boat, and it assures a most enjoyable time for those who can spare the time to make the trip this way.

R. C. KERR, Vice Pres.

## VIEW IN THE S. A. F. CONVENTION CITY.



The accompanying illustration shows the students' headquarters at Rice Institute, Houston, Texas, erected three years ago. Rice Institute is endowed

with ten million dollars. The estate was left to Houston by William March Rice, who was murdered by Patrick in New York a few years ago.

## ARBORETUM NOTES.

### Early Summer Lilacs.

The so-called Persian Lilac (*Syringa persica*) is now in flower. This is a native of Afghanistan and is said to have been cultivated in Persia and India from time immemorial and to have reached eastern Europe nearly three centuries ago. It is a broad, rather low shrub with long-pointed leaves and small fragrant flowers in few-flowered clusters which are crowded at the ends of the slender drooping branches and appear like one long narrow inflorescence. The flowers are pale lilac color. There is a white-flowered form (var. *alba*) and one with deeply lobed leaves (var. *laciniata*). The Persian Lilacs are graceful and delightful plants, and although they were early brought to the United States they are now too rarely found in American gardens. Crossed with the common Lilac (*S. vulgaris*) the Persian Lilac produced in the Botanic Garden at Rouen a hybrid with broader leaves and immense clusters of reddish flowers intermediate in size between those of its parents. This hybrid is one of the most vigorous, largest and most useful of all Lilacs. Unfortunately it has been called *Syringa chinensis*; it is also known as *S. rothomagensis* and as the Rouen Lilac. There is a variety (var. *alba*) with pale pink, not very attractive flowers, and there are forms with flowers deeper red than those of the type, and with double flowers.

### *Syringa villosa*.

This is a large, very vigorous and hardy shrub from northern China which is now just beginning to open its flower-buds. The flowers are pale rose-color or rarely nearly white, and are produced in immense quantities in short broad clusters. In spite of the disagreeable odor of the flowers this is a valuable plant as it is one of the last of the true Lilacs to flower and greatly prolongs the season of Lilac flowers. Crossed with the Hungarian *S. Josikaea*, which is also now in flower, *S. villosa* has produced in Paris a hybrid race to which the name of *S. Henryi* has been given. One of these hybrids known as *Lutece* is now in flower and is one of the handsomest of garden Lilacs. It is a large and vigorous shrub with large dark green leaves and great clusters of blue-purple flowers. Some of the new Chinese species will flower a little later and these will be followed by the tree Lilacs of north-eastern Asia.

### *Robinia Kelseyi*.

This Rose Acacia, which was discovered only a few years ago on the

slopes of the southern Appalachian Mountains, proves a hardy and valuable garden plant. The flowers are smaller and lighter-colored than those of the well known Rose Acacia (*R. hispida*) which flowers a little later, and the branches are not covered with the viscid hairs to which the Rose Acacia owes its name. *R. Kelseyi* is a shrub sometimes growing from six to eleven feet high, with slender stems and branches, leaves composed of nine or eleven narrow lanceolate leaflets which are bronze color as they unfold, and short racemes appearing with the unfolding leaves and composed of from four to seven flowers produced from the axils of the leaves of short lateral young branchlets which grow from end to end of the branches of the previous year. Sometimes as many as four flower-clusters are developed on one of the short lateral branchlets, and as the flowers in the upper clusters on the branchlet do not open until later than those of the lower clusters the plants are covered with fresh flowers for a long time. This Robinia will prob-

#### ROSE GARDENS AT ARLINGTON, VA.

As previously reported in HORTICULTURE, the members of the American Rose Society on the occasion of their visit to Washington last month found it impossible to score the roses because of the heavy rainstorm of several days' duration which had destroyed so many of the blooms, and William F. Gude, was appointed to look after the matter, with instructions to appoint a suitable committee and to have the roses scored at an early date.

The committee consisted of Adolph Gude, chairman; George E. Anderson, Twin Oaks, D. C., and George W. Hess of the U. S. Botanic Gardens, with Prof. F. L. Mulford of the Dept. of Agriculture as an advisory member. These found the gardens in very fair shape. A hailstorm on Saturday had done a considerable damage all around, but this was less noticeable among the roses than elsewhere. More than a hundred roses were looked at, but in many cases the judges felt that it would not be fair



JUDGES AT ARLINGTON TEST ROSE GARDEN.

Left to Right: G. E. Anderson, Adolph Gude, George W. Hess, Prof. F. L. Mulford.

ably prove to be a better garden plant than the Rose Acacia; for although the flowers are not as large or of as deep rose-color it does not spread by underground stems, a habit which makes the Rose Acacia a weed which once established it is almost impossible to control.—*Arnold Arboretum Bulletin*.

#### NEW ROSE LOS ANGELES.

We have received from Fred Howard, the raiser, a color process picture of the new rose Los Angeles. It is a very attractive flower, color luminous salmon and lemon and a sturdy grower as shown by the plate. Mr. Howard makes no claims for it as a forcing rose but says, that it has already made an enviable record as a bedding variety.

#### NEWS NOTES.

**Danbury, Conn.**—E. E. Matthewson recently lost his delivery auto by fire.

**Princeton, Ind.**—O. M. Gilbert, of Clinton, Ind., has purchased the Princeton Vegetable and Flower Gardens, established by W. J. Ritterskamp.

#### BUSINESS TROUBLES.

**Lawrence, Kan.**—Ince Nursery Co., assets \$6,000, liabilities \$19,000.

to mark them because of the insufficiency of bloom or because of storm damage.

The rose Gustav Grunerwald received the highest mark during the scoring, attaining 89 points, while its nearest competitors, Radiance and Konigin Carola, received 84. Two singles were also judged and Waltham Scarlet received 89 points, falling down seven points on fragrance and losing two points each on floriferousness and vigor.

#### ITHACA TEST ROSE GARDEN.

The rose test garden established at Cornell University, Ithaca, N. Y., will be opened for judging by the American Rose Society on Thursday, June 22. Members are invited to assemble in the offices of the Department of Horticulture in Roberts Hall and go from there to the rose garden. The Syracuse Rose Society is planning to attend in a body. A cordial invitation is extended to all.

BENJ. HAMMOND, Sec'y.

Beacon, N. Y.

#### ROSE WEEK AT SPRINGFIELD, MASS.

Rose week, including two Sundays will be observed in Springfield from June 25 to July 2 inclusive. This week will be dedication week also,

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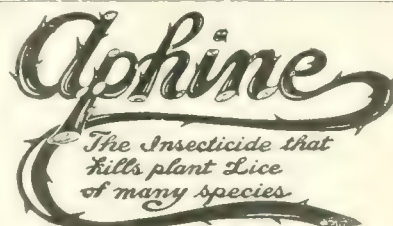
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when the public will by their visits dedicate the garden to the use of the public. The garden is municipal, having been laid out and planted by the Park Department of the city of Springfield, Massachusetts, last year. Backed up by shrubs and thousands of perennials are 3,000 rose bushes in beds, laid out of different sizes and surrounded by turf walks. The garden may be reached by automobiles over good roads. It is also within short distance of the street railway.

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**PHILADELPHIA NOTES.**

Here's a tip that's worth the growers attention. The golden coreopsis is a beautiful flower and a grand border perennial but as a seller in the cut flower market in June, July and August there is nothing to it. Grow gaillardia instead; the dark ones with clear, well-defined colors. They sell better than coreopsis and grow gaillardia instead.

In reply to a number of inquiries from old friends as to why we do not come out of town and report the local shows, would say that there are so many of them nowadays that it is impossible, and if you make a rule with one it should be with all—and impartial. What little reporting we do is merely as a side line to our real business. We are not yet in a position to adopt the dictum: "When your pleasure interferes with your business, drop your business."

**CLUB AND SOCIETY NOTES.**

The Worcester County (Mass.) Horticultural Society had its June exhibition of flowers, fruits and vegetables in Horticultural Hall, Worcester, on June 8. The display of iris was a feature of the show, with collections from the gardens of George N. Smith of the Wellesley Nursery, Hadwen Arboretum, Mrs. H. J. Eagon, S. E. Fisher, Mrs. Homer Gage, Edward W. Breed and Mrs. I. E. Sawyer. Rhododendrons and peonies also attracted considerable attention from the hundreds of flower lovers who visited the hall.

The summer flower show of the Connecticut Horticultural Society will be held June 27-28. Special prizes are offered as follows: Silver cup by Knight & Struck Co. for best three spikes, of Delphinium Belladonna; Stumpp & Walter Co., silver cup for best general exhibit; Joseph Breck & Sons, Boston, 1st and 2d for collection of roses; Arthur T. Boddington Co., Inc., New York, 1st and 2d for collection of sweet peas. For roses there are 19 classes; hardy perennials, 23 classes; sweet peas, 14 classes. It is hoped to have members of the Ladies Garden Clubs of Hartford and Middletown exhibit in a department set aside for this purpose.

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Marquette, Mich.—E. R. Tauch, house 25x125.

Barton, Vt.—John R. Farrant, range of houses.

West Manchester, Mass.—Lester Le-land, addition.

Mishawaka, Ind.—David Pugh, Lord &amp; Burnham house 25x75.

High Point, N. C.—Frank Ford, Metropolitan house 13x100.

Rochester, N. Y.—J. B. Keller Sons, 1015 Smith avenue, one house.

Sault Ste. Marie, Mich.—P. Rawlin-son, 713 Easterday avenue, one house.

Muskogee, Okla.—Muskogee Carna-tion Company, two houses each 28x186.

Greenville, Mich.—Greenville Floral Co., North Lafayette street, additions.

South Manchester, Ct.—Mrs. Helen C. Chapman, 75 Forest street, one house.

Erie, Pa.—C. W. Zuch &amp; Son, vege-table forcing house. Lord &amp; Burnham contract.

The Scranton, Pa., office of the King Construction Co., reports the follow-ing contracts for material and com-plete erection:

Peckville, Pa., Wm. J. Broad, one house; Chincilla, Pa., W. E. Reed, two houses; Strasburgh, Pa., Wade Gayley, house 40 x 140; Binghamton, N. Y., Wm. E. Crabells & Sons, one house; Elmira, N. Y., A. H. Gould, one house; Williamsport, Pa., William J. Evenden Sons, three houses, 30 x 250; Milton, Pa., Bruce Chuger, two houses; John-son City, Pa., Wm. Crabells, one house; Rockport, Pa., Paul Durlinger, curved eave house, 21 x 75.

The rose stakes which are being advertised in this paper by the Carnation Support Co., of the "selftying loop" pattern are highly recommended by Poehlmann Bros., who use 168,000 of them, Halifax Garden Co., John H. Dunlop and others. Notice the tempting prices.

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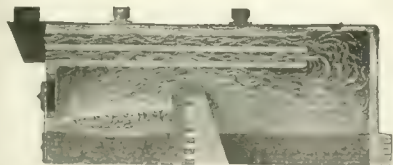
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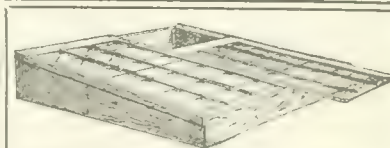
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Vol. XXIII

No. 26

JUNE 24

1916

# HORTICULTURE



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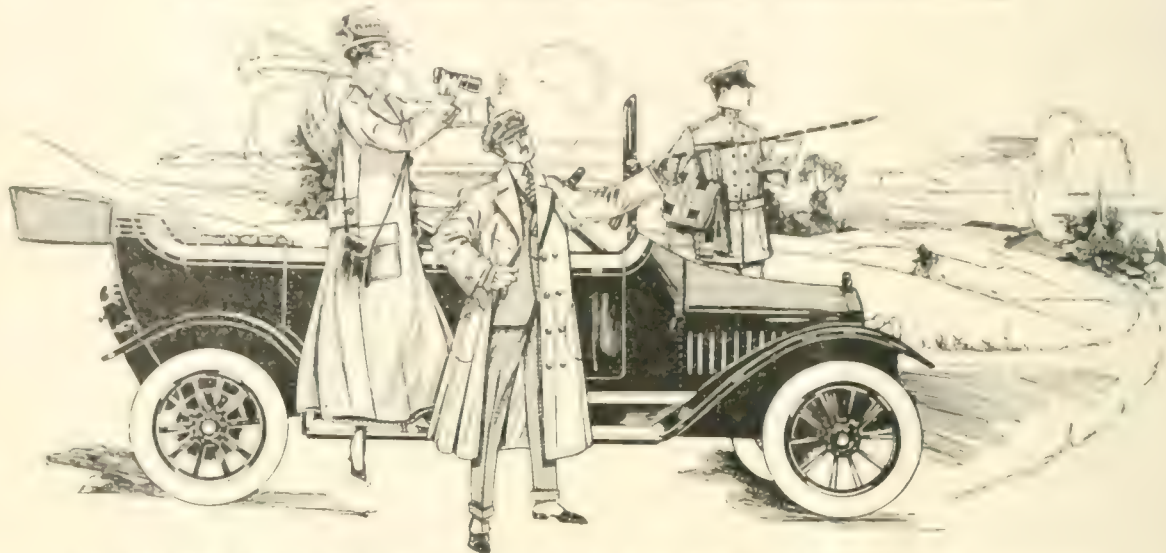
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# NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

*John J. M. Farrell*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Pope*.

## Adiantums

No asparagus, no matter how soft and feathery will ever entirely take the place of adiantum and every retail grower who can provide a house in which he can maintain a temperature not less than 60 degrees during zero weather, should devote some bench room to its culture. Stock out of 2½ inch pots is all right, but better and quicker results will be obtained by making use of larger plants. The adiantum, like most members of the fern family, flourishes in mellow loam. This with a fair amount of well-rotted cow manure and a little sharp sand will do nicely. Provide good drainage and allow about one foot of space between the plants. The present is as good a time as any to prepare for planting out and even if you should not get as large and as fine fronds as your wholesaler supplies, you will appreciate having a good number of plants to cut from next winter.

## Care of Violets

They should grow without a check and this necessitates faithful watching. Remove every runner. Keep the plants free from diseased or yellow leaves. Watch out for greenfly or other insects; don't wait until they pay a visit, but use fumigation and a weak nicotine solution regularly to keep them away. Do not wait for weeds to come, but go over the benches twice a week if possible. A very important matter at this time is to keep the surface of the benches loose by continued scratching. Of the leaders in cut flower stocks, grown extensively for winter production none probably requires more watchful attention during hot and dry summer than does the violets. The slightest neglect, the least delay or oversight, very often costs the grower dearly. Keep the plants clean and well watered and syringed during bright weather, but during dull weather keep your house as dry as possible.

## Cinerarias

It is well to make three sowings—one early in July, another about mid-August, and the last in the middle of September. The last dates are the best for most growers as they will have them from February on to Easter, which will be not so late next year. Use fresh seeds of the best strains to be had. Sow on leaf-mold plentifully intermixed with clean, sharp sand. Place the trays in a cold frame. Seeds of *Cineraria* hybrids started about this time germinate most readily and with proper attention during the warmest months of summer are least difficult to work into good stock. When the seeds are up lay off the sashes on rainless, pleasant nights al-

together. Time to transplant is after the seedlings have developed their third leaf. Keep moist and shaded, but let the sashes be raised a few inches from the start unless in unusually cold windy weather. Keep clean by frequent fumigations.

## Orchids

All such *Cattleyas* as *Mossiae*, *Mendelii*, *Warneri*, etc. when through flowering should be given new material and when in poor condition repot, using *osmunda* fibre, and sphagnum moss with a liberal drainage. These orchids require every encouragement in the way of heat, light without direct sunlight, and moisture, for they have baffled quite a few who have tried to grow them. During now and through the summer see that they don't suffer for the want of water. Now as the season advances the *Cattleya* department will need more air thus necessitating more thorough and frequent damping of the walks and under the benches, with a syringing overhead once or twice a day. When there is a spell of damp weather don't do much damping, and it will be necessary to keep on air with a little fire heat so as to keep them in good shape.

## Gardenias

Early propagated stock of gardenias should be well-rooted in four inch pots by this time. To have good stock for next winter's flowering the house or bench should be prepared right away. On the way the soil is prepared depends much of the success or failure. The best compost is a loam with plenty of fibre in it, but always avoiding a heavy soil. A very good mixture is fibrous loam three parts, well-decayed cow manure two parts with a sprinkling of bone. It is a good plan to place a layer of broken crocks on the bottom of the benches which will insure a sweet soil. They can be planted about fifteen inches apart each way and see that they are well firmed around the ball. Keep plenty of atmospheric moisture in the house. On all good days give them a good syringing at least twice a day during summer.

## Pelargoniums

Now is a good time to give pelargoniums a rest. The best place for them is outside in full sun and gradually reduce the water supply. When the foliage takes on a yellow color the plants can be placed on their sides for about three weeks. This will thoroughly ripen up their growth and put them in condition to break again later.

Next Week:—Chrysanthemums; Crotons; Orchids; Raising Perennials; Compost for Carnations; Stock Plants.

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The  
 S. F. A.  
 treasuryship

In the January issue of *William F. Kasting*, the Secretary of American Florists, is made a most eloquent and convincing appeal. His position of treasurer for such an organization, collecting a considerable amount of labor and receiving money, and the financial position of the investment of its funds in good education, is the nature and part of an effort to bring such ability and loyalty to Mr. Kasting, and it is not found at every turn. There is little that Horticulture can add to the appreciation of Mr. Kasting and his worth is expressed in the editorial notes published in the issue of last week, but we are pleased to record the selection by President MacRorie of so good a man as J. J. Hess to take up the work which Mr. Kasting has laid down and assume its responsibilities until the Society shall come together and register its choice of a successor. Mr. Hess is a life member of the Society since the year 1909. He is one of the strong representative men financially and socially of the great middle west and we believe his selection will be received with much favor by the rank and file of the S. A. F.

What the  
 Peony is  
 entitled to

The consumption of peony blooms for commercial florists' use has increased apace in recent years and, in the aggregate, amounts to a considerable figure in the season's flower output. The peony comes in at a time of the year when the call for large decorative work is very general and it is exceeded by no other flower in adaptability and usefulness for producing imposing effects on a large scale. It seems, therefore, unfortunate that so little attention is paid by those who conduct our peony exhibitions to this very important phase of the peony's place in the floral world. Even the American Peony Society at its annual show held in New York City had nothing more artistic to present than the antiquated groups and rows of stove-pipe jars of blooms, a method of displaying such material which serves the purpose of supplying names and identities of varieties for those who may be interested but does practically nothing towards extending the sphere of practical service and utility of the peony as a cut flower through the imparting of popular knowledge concerning the splendid decorative qualities of this noble flower which neither the chrysanthemum nor the dahlia can outshine. It does seem as though we ought to do something better in our exhibition arrangement than is done by the street hawker, for instance, who is a familiar figure on the streets of New York City with his push-cart load of jars filled with peonies in manner exactly similar to what was set forth at the Peony Society's show. The American Peony Society has done some excellent work during its existence, but here is one direction in which there is room for a great awakening. There is no reason why they should neglect it and we shall hope to see a good start made at Philadelphia next year.

A live  
 society

The announcement by the Executive Committee of the American Rose Society of their proposal to inaugurate a systematic campaign of inquiry into rose diseases and the best methods of combatting these troubles is very encouraging and should be a source of much gratification to all rose growers. A better place for this important work than the place selected—Cornell University—could hardly be suggested and Professor Whetzel's interest and services will be invaluable. One evident reason why the State colleges and similar institutions have done so little for floriculture is simply that they have not been asked to do so and followed up by the floricultural people, which is greatly to be regretted.

For his services to Botany and Horticulture, Harvard College has conferred the honorary degree of Master of Arts on Ernest Henry Wilson of the Arnold Arboretum. All the time Mr. Wilson and their number has grown apace during the few years he has lived and worked in this country—will be pleased to learn of his exceptional honor of which he is the recipient. It has been worthily won and is a recognition worthily bestowed. E. H. Wilson has been a frequent contributor to *Horticulture* and *Horticulture* is pleased to announce the first to publicly extend congratulations.

## ROSE GROWING UNDER GLASS

CONDUCTED BY

*Arthur C. Ruzicka*

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

### Planting

With prospects of a wet cloudy season ahead, growers cannot afford to delay planting any longer than is absolutely necessary. We hope the weather will not continue as it is at present. Heavy showers at night, accompanied with fog when it is not raining, do not make ideal weather for growing roses. It is therefore advisable to plant early, even though the old plants have to be sacrificed, and unless the old plants are doing real well it will pay to do so. Last year spring business was so good that many growers planted very late, and with the dark rainy summer and fall the stock did not root well and the result was that the cut was light all winter, the winter itself being very severe making matters much worse. When cleaning the houses after wheeling all the soil out, see that everything is cleaned thoroughly as fungus will thrive during the dark weather and there is likely to be more disease than during clear weather. Even though the time is short and work behind the regular schedule it will pay to do things well as we go along and avoid trouble later. See that the benches are well gone over with hot lime wash as the plants will not root very fast during the cloudy weather, and if there is fungus in the soil to attack and destroy the roots it will take quite a while to make more and meanwhile the wood on the plant will go to sleep and may not wake up until spring.

### Planting Shawyer

This one rose does not mind being planted late and if nice plants are used planting can be done away up into August. A house planted last year in late July, cut nice stuff on the first of September, receiving its first dose of liquid manure one month after planting. Nice stock was cut all winter, with a heavy cut in the spring. To do well the plants must be vigorous, free from spider and spot. The sod should be at least one-third cow manure, well decayed, so that it will not burn the new tender roots that the plants will send out as soon as they begin to settle in their new quarters. Under ordinary conditions we would not advise using liquid manure so soon after planting but this house was an exception and the plants were well able to take it.

### Watch Out for Spot on the Young Plants

With dark rainy weather it will be advisable to be very careful in watering and syringing young plants, more so those that are pretty well up and more or less crowded. Go over the plants every now and then, tak-

ing off all yellow leaves and all spot that may be lurking here and there. As this is done set all small plants to the south side of the bench and the taller ones to the north, so there will be no poor plants among the good ones. The good ones take water oftener than the poorer ones and more of it, and if there was a weak plant here and there among the good ones, it would naturally be too wet all the time and would surely start spot, which would easily spread to the plants surrounding it. We do not worry much about spot except when it appears here and there on the Beauties and Ophelias. It will go right through these and take many leaves with it unless checked. The other roses will generally have a spot here and there, but with good care that is as far as it will get on them unless conditions for its spread are made very favorable by careless syringing or watering. Water as early in the morning as possible so that the plants will have every chance to dry off by night, the same being true of syringing. During the cloudy spells see that the plants are not over watered. This could only happen with potted stock with heavy close soil and poor drainage. With open soil and plenty of porous material under the pots the plants should not suffer from too much water, unless they are watered too frequently. When they have to be watered on cloudy days it will be well to run through the houses last thing at night and blow plenty of air-slacked lime around, which will dry out the air thus making conditions unfavorable for spot. With potted stock, the lime should not be blown under the plants but into the air above the walks so that the plants will not be whitewashed. Be very careful to keep the rain out should there come a shower, and night men should be instructed to put the vents down in the houses with young stock first. It is best to be on the lookout for storms, and put the houses down so they shed until a little before it starts to rain, and then lower them more. In this way the vents will not be closed up too suddenly and it will be better for the plants. It is not always possible to do this however, and no chances should be taken. If the storm comes up too quickly, the houses had better be lowered away down at once. During mild rains it is best to lower the vents so they shed, and if the rain comes in, lower them some more. On chilly nights steam should be kept in the houses. With such seasons as the last few we have had, it is best to keep the main boiler on all the time as it will save coal in the end, for it takes both coal and time to start a fire again and again.

gretted as there is much that the college people can do to help along the florists' cause. Our expert specialty growers can hardly be expected to look to the colleges for much practical instructions on cultural methods—in fact, the relationship might well be reversed in many cases. But it is different when we come to problems that call for scientific research and laboratory investigation, such as plant diseases, insects, soil properties, etc. as they affect any department of plant growing. Here

we should take fuller advantage than has been done thus far of the painstaking work that the agricultural college people are prosecuting and these studious investigators should be consulted and listened to with all the respect due to knowledge so acquired. The American Rose Society seems very much alive of late and the movement under consideration together with the Rose Garden effort and the Rose Annual publication afford cumulative evidence to that effect.



### GETTING READY FOR BAR HARBOR.

All indications point to a record crowd going from Boston with the Sweet Pea Society to Bar Harbor, Me., on Friday evening, July 14. It is expected that those traveling from West and South will converge at Boston and join with the general party leaving Boston for Rockland, Me., on the Bangor steamer at 6 P. M. on that day. Some may prefer to go on Thursday evening. But in either case sleeping accommodations should be engaged in advance for this all-night cruise on the open Atlantic. The Gardeners' & Florists' Club of Boston have secured fifty staterooms and these are at the disposal of applicants as long as they last. Write to W. N. Craig, Sec'y, Faulkner Farm, Brookline, Mass., or apply to the Eastern Steamship Corporation, Bangor Division, Boston.

The harbor of Rockland, Me., is one of the most beautiful in the world and as approached on the steamer in the early morning presents a picture which once seen is never forgotten. Rockland is the gateway to the scenic wonders of Penobscot Bay, one of the grandest and most romantic beauty spots of North America. Here is the starting point for the fleet of smaller steamers which carry the passengers to all points on the Maine coast. Here we transfer to the Mt. Desert steamer and are soon under way. The visitor will find a never-failing interest in the rugged shores, rocky promontories, cliffs and precipices backed by blue hills and clothed in unchanging green. We stop at Vinal Haven, North Haven with its busy little harbor and summer cottages away up on the heights, Stonington with its great granite quarries, Southwest Harbor, Northeast Harbor and Somes Sound—a veritable enchanted land—Seal Harbor, and thence along close to the surf-washed shore with palatial villas perched on the spruce-clad heights above, an ever-changing panorama, and five hours after leaving Rockland the boat swings in to Bar Harbor and here again there is much to see, of which more later on.

The Metropolitan Line express steel steamships, Massachusetts and Bunker Hill, are now using the Cape Cod Canal on their daily trips between New York and Boston. The distance between New York and Boston, around Cape Cod, is 337 miles and via the canal it is 260 miles, the trip between the two cities being thus lessened by 77 miles. The steamers now depart from New York and Boston at 6 P. M. and are scheduled to arrive at either destination at 7.30 A. M. This all-the-way-by-water trip between the two cities has been popular all along and the adoption of the canal adds a new interest to a route which is one of the most fascinating on the Atlantic coast. Should the visitors from New York and southward, bound for the Sweet Pea meeting and exhibition at Bar Harbor, decide upon this mode of travel to Boston, which we strongly recommend, it will be quite essential that stateroom accommodations be secured well in advance as the travel northward is very heavy in July. This plan would give opportunity for a full day in Boston before the departure of the steamer for Rockland at 6 P. M.

Should the weather in the interim be favorable it is expected that the show of sweet peas at Bar Harbor will be by far the finest ever put up on this



MT. DESERT'S RUGGED COAST.

continent. Many entries from a distance are booked and the local contributions will be very extensive. In the peculiar cool and moist sea air of Mt. Desert all garden flowers assume a dazzling brilliancy of color which is not found inland or farther south. Sweet peas and, in fact, all annual flowers as well as hardy perennials in Bar Harbor come closer to substantiating the glowing color descriptions given in the seed catalogues than in any other place we have ever visited.

### A CAPE COD NURSERY.

Down at West Barnstable, Mass., with the waters of the Atlantic washing the shores a few miles away on either side of the long sandy arm known as Cape Cod, an interesting demonstration has been going on for the past three years. Here a ninety acre nursery has been established by R. & J. Farquhar & Company, of Boston, for the growing of certain specialties which for one reason or another are not always satisfactorily handled in nurseries having the typical New England climate and environment. The soil is a sandy loam, rich in leaf soil and one of the particular purposes for which it was chosen is the growing of young hybrid rhododendrons. There are many thousands of these under cultivation at present,

and judging from their general vigor and sturdiness they find this location very much to their liking. Quite a large percentage of them are seedlings from crosses made by James Farquhar some years ago, and in the wide variety of form and tint one finds many promising sorts, especially in soft pinks and clarets. A field of ten thousand seedling Rhododendron (*Azalea*) *Kaempferi* is an inspiring sight, the largest plantation of this grand species in existence.

There are lots of rare and new things in the way of conifers from China from the collections of Wilson and others which seem to fairly revel in the pure salubrious air of this region. Looking them over we were particularly impressed with a lot of *Abies recurvata*. It is a beauty. A plantation of twenty thousand young *Lilium auratum* absolutely free from any trace of disease or weakness is perhaps one of the most hopeful features seen on this interesting place, for the establishment of the lily industry here may mean the return of this magnificent species to our gardens. No lily will thrive out of doors for long in rich soil and here they appear to find ideal conditions. The nursery is under the care of James Littlejohn ever since its inception and he has it in admirable condition.

## CLUBS AND SOCIETIES

### SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

At this early date great interest is being shown in the 1st Annual Convention and Trade Exhibition to be held at Houston, Texas, August 15, 16, 17. It would appear that there will be a very creditable attendance from the East.

Rates and particulars as to the different routes may be obtained by application to this office. One favorable route will be by Southern Pacific Company, via steamer to New Orleans, train to Houston then all rail returning. The best obtainable rate from New York City to Houston by this route would be \$83.00. This rate will include berth and meals on steamer line to New Orleans and first class rail transportation beyond, returning from Houston via St. Louis and New York Central lines. Steamers sail semi-weekly from Pier 48, North River, foot of West Eleventh street, every Wednesday and Saturday, at 12 o'clock noon, and are due in New Orleans the following Monday and Thursday. Connections can here be made for Houston either on the Sunset Limited leaving New Orleans at 11 A. M., which will fetch our party in at Houston at 10 P. M. the same night. This will give a beautiful ride through the Louisiana Sugar and Cotton belt, which is a very scenic route.

If the party desires to stop over at New Orleans for a day or so, connections could be made with train No. 9 leaving at 11.30 P. M., due in Houston next morning at 11.30. Sleeper rates between New Orleans and Houston are \$2.00. Trip if made from New Orleans by daylight could be accommodated in large commodious coach unless party preferred to use parlor cars.

S. S. "Momus" will leave New York Aug. 9th, arriving at New Orleans Monday, Aug. 14th, in the morning; by taking rail service there would arrive at Houston 10 P. M. same night. Any of our members desiring to leave earlier may take the S. S. "Creole," leaving New York August 5th, and arriving New Orleans August 10th. If arrangements for the trip are made promptly we will arrange so that the delegates and visitors will have "the time of their life." Our Southern brethren are making every effort to have this convention one of the most successful in the history of the society not only from a business standpoint, but also from the great amount of pleasure and valuable information derived from our visit to the South.

Some of the leading firms of the country, alert to the opportunity of the southern market, have made early bookings for large blocks of space in the trade exhibit. Among them we find, Lord & Burnham Co., John A. Evans Co., M. Rice Co., A. L. Randall Co., Burlington Willow Ware Works, J. A. Peterson & Sons, and H. C. Doescher. Intending exhibitors should not delay in securing space.

#### Mother's Day Fund.

Replies are coming in freely to the

### Meetings Next Week

#### Monday, June 26.

Florists and Gardeners Club of Rhode Island, Smith Hall, Providence, R. I.

Gardeners and Florists Club of Baltimore, Forest Exchange Hotel, Baltimore, Md.

#### Tuesday, June 27.

Newport Horticultural Society, Newport, R. I.

#### Wednesday, June 28.

Oyster Bay Horticultural Society, Oyster Bay, N. Y.

American Association of Nurserymen, Annual Convention, Milwaukee, Wis.

### COMING EXHIBITIONS.

June 27-28, Hartford, Conn.—Summer Show of Connecticut Horticultural Society.

June 28-29, Newport, R. I.—Newport Garden Association and Newport Horticultural Society, on the grounds of the Garden Association.

July 1-2, Boston, Mass.—Rose and Strawberry Exhibition, Massachusetts Horticultural Society, Horticultural Hall.

July 14-15, Bar Harbor, Me.—Annual Show of American Sweet Pea Society.

July 20, Worcester, Mass.—Sweet Pea Exhibition, Worcester Horticultural Society.

August 3, Oyster Bay, L. I., N. Y.—Dahlia Show, Oyster Bay Horticultural Society.

August 11-12-13, Boston.—American Gladiolus Society, Horticultural Hall.

August 24, Worcester, Mass.—Gladiolus Exhibition.

Sept. 2-9, Cleveland, Ohio.—Industrial Exhibition and Fair.

Syracuse, N. Y., Sept. 11-16.—New York State Fair.

Sept. 12-13, Providence, R. I.—Rhode Island Horticultural Society, Narragansett Hotel.

appeal sent out by the Secretary for contributions to the testimonial or fund to be presented to Miss Anna Jarvis, Founder of Mother's Day.

The list of donors will be published shortly. Those desiring their names included in this list should make remittance now.

#### J. J. Hess for Treasurer.

President Daniel MacRorie directs me to say that he has appointed J. J. Hess of Omaha, Nebraska, to serve as Florists and Ornamental Horticulturists to fill out the unexpired term of the late Wm. F. Kasting.

#### Department of Plant Registration

Public notice is hereby given that as no objection has been filed, the following registration becomes complete. Freesia Splendida by Rudolph Fischer, San Gabriel, California.

JOHN YOUNG, Sec'y.

June 16, 1916

The next convention of the Association of American Cemetery Superintendents will be held at Norfolk, Va., on August 22-24 inclusive. J. M. Broughton of Norfolk is chairman of the local committee of arrangements. Bellett Lawson, who has been secretary-treasurer for six years, announces that he will not be a candidate for re-election.

### LANCASTER COUNTY FLORISTS' CLUB.

The exhibition table had a fair display of peonies from Mr. B. H. Farr, of Wyomissing, and B. F. Barr, the essayist of the evening. Mr. Barr's paper was both encyclopedic and cultural and was well received and a vote of thanks was extended. In the discussion it was brought out that the period of peony flowering could be advanced by using an application of nitrate of soda every three or four days. They can be held in cold storage by cutting them only partially open, putting them into water in a temperature of about 45° for some 24 hours and then packing into boxes or better in jars of wet moss with the heads wrapped in tissue paper. In a temperature of 30° to 35° it is claimed they can be held for from two to fourteen days. It was also brought out that a peony should not be expected to give full results until at least three years after it has been planted. Mr. Barr claimed that the variety Gen. Washington is the nearest to red in existence today.

Albatre, Gen. Washington, Bernard Pallissy, Asa Gray, Madame Baquet, Coronne d'Or, Wilhelmena, Festiva Maxima, Eugene Verdier, Princess Beatrice, Marie Lemoine and Souv. de Exposition Universal, were among the varieties shown.

The Flower Show Committee now stands Harry K. Rohrer, chairman, M. J. Brinton, A. F. Strickler, Elmer Weaver, Lemon Landis, David Rose, Rudolph Nagle and B. F. Barr. The Picnic Committee reported no date fixed, but B. F. Barr's meadow as the place. Any out-of-town florists who wish to attend will be welcome and can get full information by applying to the chairman, Mr. Elmer Weaver, Ronks, Pa. The Programme Committee suggested that the August meeting be made an Aster meeting at the establishment of Elmer and Charles Weaver. There is a possibility of the Club taking up the planting of a Rose Garden in one of our local parks.

The appeal for contributions to the Miss Jarvis fund was carried over for a special voluntary contribution from the members at the picnic and the meeting at Weaver's so that we could turn in a tidy sum as a Club.

ALBERT M. HERR

### LENOX HORTICULTURAL SOCIETY.

There was a good attendance at the monthly meeting on June 14th. An alteration in the schedule of forthcoming show was adopted, which made class 40 read any bi-color in place of any marbled or mottled. A paper entitled "Horticulture as a Profession from the Standpoint of the Gardener" was read and well discussed. Notwithstanding an early date and a very late season, there is every promise of a good show on June 28th and 29th. The Garden Club of America is making this the occasion of their visit to Lenox. Many valuable cups and prizes are offered for sweet peas, etc., and a special

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THE LARGEST HORTICULTURAL AUCTION ROOMS IN THE WORLD

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feature will be a non-competitive display of orchids from Mr. A. N. Cooley of Pittsfield. A large floor space has been reserved for this exhibit, and those who saw Mr. Cooley's display at the last Fall Show and his 1st prize group at the New York Spring Show should make a point of seeing this display.

Mr. Cooley is constantly adding many new and rare varieties to his already extensive collection, and if not already so, it will not be long before it will take its place beside any private collection in the country. The next meeting will be held July 12th.

J. H. FRAMPTON, Asst. Sec'y.

## NASSAU COUNTY HORTICULTURAL SOCIETY.

Regular meeting, Glen Cove, N. Y., on Wednesday evening, June 14. 1st prize to Harry Goodband for flowering shrubs and to James McCarthy for peas. The Executive Committee was instructed to make full arrangements for a sweet pea show in July.

James De Vyner, entomologist of Mount Vernon, gave a lecture on "The Hickory Bark Beetle and the Means of Controlling Same." The lecture was full of practical information. Mr. De Vyner exhibited some hickory wood that had been infested with the beetle and also specimens of the insect in its various stages, from the larva to the adult. At the conclusion of the lecture, the lecturer was questioned at considerable length. An essay received from the National Association of Gardeners on "Culture of Hardy Perennials," was read and was most favorably received.

JAMES MCCARTHY, Cor. Sec'y.

## MASSACHUSETTS HORTICULTURAL SOCIETY.

### Important Notice.

On account of the lateness of the season the Rose and Strawberry Exhibition of the Massachusetts Horticultural Society scheduled for June 24 and 25 will be postponed to Saturday and Sunday, July 1 and 2.

W. P. RICH, Sec'y.

Horticultural Hall, Boston.

## PENNSYLVANIA HORTICULTURAL SOCIETY.

The Sweet Pea Exhibition of this Society will be held in the Jenkintown Club and Reading Room, Jenkintown, Pa., Thursday and Friday, June 29th and 30th, 1916. The exhibition will be open June 29th, 3 to 10 P. M., June 30th, 10 A. M. to 10 P. M. All Willow Grove trolleys on York Road pass the Exhibition Hall. Get out of car when conductor calls out Jenkintown.

DAVID RUST, Sec'y.

The Horticultural Society of New York will hold an exhibition of roses, sweet peas, herbaceous border flowers, roses, etc., on June 24 and 25, in the Museum Building of the New York Botanical Garden.

## AMERICAN PEONY SOCIETY.

The exhibition of peonies in connection with the annual meeting in New York last week was not so large as would have been the case had the local plants been seasonably in bloom. Again, the heavy rains and general wetness for several days had impaired the quality of the blooms that were out. There was a generous showing of irises, outdoor roses and perennial border plants which added greatly to the popular interest and value of the exhibition. The prize awards were as follows:

### Open Classes.

Collection of not less than 100 named



J. J. HESS.

Newly Appointed Treasurer, Society of American Florists.

varieties—Gold medal and 1st prize, Bertrand H. Farr, Wyomissing, Pa.

Vase or basket of Peonies, arranged for effect—1st, Cottage Gardens Co.; 2d, B. H. Farr.

Twenty-five double, 3 blooms each—1st, George H. Peterson, Fair Lawn, N. J.; 2d, Cottage Gardens Co.; 3d, B. H. Farr.

Collection Japanese varieties—B. H. Farr. Twenty-five white or cream, double—1st, S. G. Harris, Tarrytown, N. Y.; 2d, S. G. Harris; 3d, B. H. Farr.

Twenty-five light pink—1st, B. H. Farr; 2d, Cottage Gardens Co.; 3d, G. H. Peterson.

Twenty-five dark pink—1st, Cottage Gardens Co.; 2d, S. G. Harris; 3d, B. H. Farr. Twenty-five red or crimson—1st, Cottage Gardens Co.; 2d, B. H. Farr.

Six specimen blooms—1st, G. H. Peterson; 2d, S. G. Harris.

One specimen double—1st, B. H. Farr; 2d, G. H. Peterson; 3d, S. G. Harris.

### Amateur Classes.

Largest and best collection—Silver medal and 1st prize, James Boyd, Haverford, Pa. Ten varieties, double, three blooms each—A. L. Gifford, N. Y.

Collection of single and Japanese varieties—2d, A. P. Saunders, Clinton, N. Y.

Collection of white varieties—double—2d, A. L. Gifford. Light pink—1st, James Boyd; 2d, A. L. Gifford. Dark pink—A. L.

Gifford. Red or crimson varieties—2d, A. L. Gifford.

Other winners in the amateur classes were: A. H. Scott, Oak Lane, Pa.; L. R. Bonnewitz, Van Wert, O.; Mrs. H. K. Taylor, Ogontz, Pa.; L. J. Gorman, Van Wert, O.

Prominent exhibitors of hardy perennials were Bobbink & Atkins, Cottage Gardens Co.; John Lewis Childs and A. P. Saunders.

## GARDENERS' AND FLORISTS' CLUB OF BOSTON.

Tuesday evening, June 20th, last regular meeting of this club for the season was devoted to entertaining the ladies as per annual custom, so very little business was transacted. The secretary read his minutes and some communications relative to the visit to Cromwell, Conn., by the N. A. G. on June 21 and the trip to Bar Harbor on July 14. July 27 was announced as the date for the annual picnic, the place, Cunningham Park. The secretary was instructed to send a letter of good cheer to Mrs. E. M. Gill who is ill. Then the entertainers were called into service and there was an hour of music and song, followed by a collation served in the large exhibition hall and then the youth and beauty of Boston horticulture danced and danced until midnight.

The entertainment was high quality throughout and every number was given an encore. Particularly acceptable were the songs of Miss Emily Edgar, daughter of Mrs. W. W. Edgar of Waverley and the violin solos by Master Duguid, son of John Duguid of Wellesley.

## CLUB AND SOCIETY NOTES.

The New England Cemetery Association had their annual outing at Bellevue Cemetery, Lawrence, Mass., on Wednesday, June 19. It was a most enjoyable affair. Superintendent William Lord was manager of arrangements.

The Premium List for the Southampton (N. Y.) Horticultural Society's tenth annual exhibition has been sent out. It is quite lengthy, including some interesting special prizes for artistic work and decorative use of flowers, and should bring out a fine display. The dates are July 26 and 27, and one-half of the net proceeds are to go to the Southampton Hospital.

The Board of Directors of the Vegetable Growers' Association met in Chicago on June 15th, and accepted the invitation to hold their annual meeting this fall in that city. The board consists of N. J. Reutenik, Cleveland, O., pres.; S. W. Severance, Louisville, Ky., sec'y; Prof. C. W. Wade of the Michigan Agricultural College and Prof. Durst of Illinois Agricultural College, Champaign, Ill., directors.

## HOW TO GET THE BETTER OF ROSE DISEASES

When the Editor of THE PEONY SHOW, June 1916, asked me to write something on rose diseases, I was surprised to find that there had been such little in America and widely in Europe. The American Rose Society, the Bailey Standard Encyclopedia of Roses, and the American Rose Society (1914) listed out rose diseases, but that the English and the French either skipped the subject or glossed it over.

Knowing how serious to rose-growers was at least one of these diseases—the all-too-familiar “black spot,” the editor then canvassed the various colleges and experiment stations, and the Department of Agriculture at Washington, only to learn that the rose had never had the attention given to carnations or cabbage or cut-worms, to apples or potatoes. Prof. H. H. Whetzel, the noted pathologist of Cornell University, wrote that none of his brethren had ever studied the diseases of what he termed “man’s oldest and most widely cherished ornamental,” and that therefore no means of control of some of these destructive rose diseases had been worked out.

The American Rose Society believes that this condition is a disgrace. It has therefore undertaken to organize a careful inquiry into rose diseases, which if supported by those interested ought to result in the proposal of methods of prevention and control as efficacious as those that, through similar study, have given fruit-growers courage to proceed profitably in defiance of brownrot and similar diseases.

Much correspondence, following authorization at the recent Washington meeting of the Society, has developed an exceptional opportunity to have the proper study begun and carried through at a small part of the expense—Cornell University sustaining most of the cost.

Professor Whetzel states the situation thus:

“What is needed first is a rather careful study of the rose disease situation as represented in the gardens and houses of the members of the American Rose Society . . . a survey, in order that we may determine just what the chief diseases of the rose are. . . . We propose that Mr. Massey, who has worked on florists’ crops, and who is, in my opinion, the man for this job, should be employed by the American Rose Society under my direction, to spend three months of each year for two years in rose disease survey and investigation work, traveling as may be required; and that during the remaining nine months of each year his special line of investigation with us would be the diseases of roses. That is, if the American Rose Society can support him while in the field one-fourth of the time, the Cornell Department of Plant Pathology will have him make rose disease investigations the chief line of his work as florist disease investigator for the remainder of two years.

“We would provide such ordinary laboratory apparatus as he may need and also give him professional aid and counsel, together with our hearty interest in the Rose Society’s activities.

“This would give the American Rose Society the services of a thoroughly trained investigator of florist crop diseases at a

very small cost. . . . I am sure that the American Rose Society will find this a most valuable contribution to the knowledge of rose diseases and to the welfare of the rose-grower.

If the American Rose Society desires to avail itself of this opportunity, I must know of it before June 30, 1916, in order to properly arrange with Mr. Massey.”

It is the hope of the Executive Committee of the American Rose Society that the opportunity thus presented is one which rose-growers generally will be willing to support by the special contribution necessary, information as to which must reach your President, as noted, before June 30. Let us act together to help put rose-growing in as safe a condition as is carnation-growing or apple-growing.

S. S. PENNOCK,

President.

Philadelphia, Pa.

## AUTHORS ATTENDED PEONY EXHIBIT.

A thousand invitations were sent out for the annual exhibition of peonies in the gardens of the Country Life Press (Doubleday, Page & Co.) at Garden City, L. I. The peony display, is composed of more than three thousand plants collected by the American Peony Society, and this year from forty thousand to fifty thousand blossoms were on view during the week June twelfth to seventeenth. The public, at all times welcome to Country Life Press, is always especially welcome during the season of peony bloom and during the subsequent season of rose bloom, for at that time the gardens are perhaps at their best.

On Thursday, June fifteenth, Doubleday, Page & Co., gave a Garden Party to authors and others of their friends who cared to take advantage of this opportunity to see the gardens and the motion picture film of the making of a book.

## ONE WEEK'S IMPORTS.

Imports at the port of New York of horticultural material, for the week ending June 9th, were recorded as follows:

Bulbs—Netherlands, \$22; England, \$42; Hongkong, \$1,045.

Plants—Belgium, \$2,525; France, \$93; Netherlands \$60; England, \$172; Scotland, \$7; Bermuda, \$19; Mexico, \$75; Brazil, \$2,349; Venezuela, \$866.

Red Clover Seed—France, \$14,048.

Clover Seed—Canada, \$286; New Zealand, \$318.

Grass Seed—France, \$1,664; Scotland, \$62; Argentine, \$2,088.

All other seeds—France, \$14,879; Netherlands, \$3,385; England, \$9,904; Scotland, \$47; Argentine, \$8,696; Hongkong, \$335; Malta, \$3,893.

Nitrate of Potash—England, \$112,515.

Other fertilizers—Scotland, \$85.

Guano—England, \$97.

## PEONY SHOW OF MASSACHUSETTS HORTICULTURAL SOCIETY.

This brilliant June spectacle struck a very bad weather combination this year. After having been postponed for one week on account of the backwardness of the dates, finally selected June 17 and 18, proved entirely too early for the local growers, the best they could do being the rather blooming varieties. Then to add to the disappointment the opening day was the tenth and worst of a series of ten days of rain. Yet, with all these drawbacks, the exhibition was a big one and turned the hall into a gorgeous sight and as if to atone for Saturday's downpour the weather man handed out an ideal day for Sunday, with a throng of visitors in attendance.

The irises, oriental poppies, hemerocallis and other herbaceous flowers far outshone the peonies, as it happened.

In the herbaceous peony classes, G. H. Peterson of Fairlawn, N. J., got the lion's share of the 1st prizes, taking six of these. Other winners in the peony classes were: Mrs. J. L. Gardner, A. H. Fewkes, S. G. Harris, Geo. N. Smith and Mrs. C. S. Minot. The iris prizes were won by E. M. Dunphe and H. F. Chase; the rhododendron prizes by T. C. Thurlow's Sons Co., Weld Garden and W. C. Winter; the hardy herbaceous flower prizes by Weld Garden and Blue Hill Nurseries.

Silver medals were awarded to R. & J. Farquhar & Co., for a grand display of hardy herbaceous flowers and shrubs and Miss Grace Sturtevant for new seedling iris. Honorable mention was accorded to Ernest B. Dane, gard. D. McKenzie, for display of orchid blooms; Mount Desert Nurseries, for artistically arranged group of hardy flowers; Blue Hill Nurseries, for vase of *Thalictrum aquilegifolium purpureum*; Miss Grace Sturtevant, for iris Ann Leslie (Dr. Bernice seedling). A first class certificate of merit was given to Miss Grace Sturtevant, for iris Stanley H. White (Hector × Caterina).

Gratuities—A. H. Fewkes, Paeonia Mme. Calot; Mrs. J. L. Gardner, Paeonia magnifica; Wellesley Nurseries, collection of peonies and iris; R. & J. Farquhar & Co., display of iris; J. K. Alexander, collection of iris; Blue Hill Nurseries, collection of day lilies and iris; R. & J. Farquhar & Co., collection of fuchsias; Ernest B. Dane, orchid blooms; J. T. Butterworth, orchids in bloom; Mount Desert Nurseries, artistically arranged group of hardy flowers; Miss Cornelia Warren, collection of hardy flowers.

The display by Mount Desert Nurseries was quite novel and a pleasing departure from the massed groups of promiscuous material usually seen. Each variety—such as dicentra, Solomon's seal, lilacs, eremuruses, irises and hemerocallis was shown by itself in a branching bamboo stand, producing a graceful fountain-like effect. The exhibit of Blue Hill Nurseries was particularly praiseworthy for its complete and legible labelling, the collection of hemerocallis being very complete and the finest variety being the bright pure orange Dr. Regel. *Thalictrum aquilegifolium purpureum*, a chance seedling is a lovely novelty with dark red stems and a cloud of soft purple bloom. *Incarvillea brevipes* was another fine thing in this collection.

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**BRONZE BEAUTY.** S. sulphury-bronze; F. claret shading to light lavender, orange beard.

**COMTE DE ST. CLAIR.** S. pale blue; F. deep violet, striped and margined white.

**EDITH.** S. porcelain blue; F. veined dark blue on a white ground.

**ELIZABETH.** S. pale blue, passing to grey; F. soft lilac-blue.

**FLORENTINA PURPUREA.** S. violet; F. purple.

**FLORENTINA ALBA.** (Queen Emma.) S. and F. soft shade of grey.

**GARRICK.** S. pale lavender; F. deep lavender.

**GRACCHUS.** S. pure yellow; F. crimson reticulated white.

**HONORABLE.** S. golden yellow; F. rich mahogany-brown.

**INNOCENZA.** S. ivory-white; F. white.

striped maroon at base; beard golden.

**JOHAN DE WITT.** (Spectabilis.) S. light lilac-blue; F. purple.

**KING EDWARD VII.** (Plumeri.) S. soft rosy-lilac; F. crimson.

**MADAME CHEREAU.** S. and F. white, frilled azure blue.

**MISS MAGGIE.** (Hermoine.) S. silvery-lavender; F. suffused soft rose.

**MORPHEUS.** S. French grey; F. reticulated royal purple on a white ground.

**MRS. H. DARWIN.** S. pure white; F. white, slightly reticulated violet at base.

**PANCHREA.** S. bronze; F. white, striped crimson.

**PRESIDENT CARNOT.** S. light blue; F. deep violet.

**SAMBUCINA BEETHOVEN.** S. rosy-lilac; F. purple with orange crest.

**SPARTA.** S. bronze-yellow; F. maroon margined old gold.

**VAN GEERTIL.** S. bronze shaded lavender; F. very dark purple, veined white.

In the descriptions (S) is used to signify standards; (F) falls.

Prices of all the above varieties \$6.00 per 100; \$50.00 per 1000. September Delivery. **PALLIDA DALMATICA**—the finest pale blue Iris of the Germanica group. Price, \$12.00 per 100; \$100.00 per 1000. September delivery.

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Greenhouse Co., fruit and shade trees,  
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**NEWS NOTES.**

Oxford, N. H. - An elaborate garden  
is to be laid out here for A. G. Fair  
of Chicago.

Hightstown, N. J. - John B. Braun  
has bought the William Peer green-  
houses and three acres of land.

Homer, Ill. - The Addison Clutter  
greenhouse has been purchased by  
James Link, who is removing it to  
his own property.

Emaus, Pa. - Eugene S. Weaver has  
purchased the Mountainville Green-  
houses which have been idle for the  
past two years and has commenced to  
operate same.

Richmond, Va. - Fritz Sidderding  
has bought the stock and fixtures  
of the bankrupt firm of Ratcliffe &  
Tanner Floral Co. and will make ad-  
ditions and improvements.

Stratford, Pa. - A. M. Campbell has  
purchased the real estate, green-  
houses, all stock, good will, etc., of  
the property known as Stratford Flower  
Farms from E. A. Stroud, and will  
take possession on July 1.

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Boston—Thos. F. Galvin, 1 Park St.  
Boston—Penn the Florist, 124 Tremont St.  
Boston—Zinn the Florist, 4 Park St.  
Buffalo, N. Y.—S. A. Anderson, 440 Main St.  
Buffalo, N. Y.—Palmer's, 304 Main St.  
Chicago—William J. Smyth, Michigan Ave. and 31st St.  
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### NEWS ITEMS FROM EVERYWHERE

#### CHICAGO.

Fred Lantenshaw is planning on the Houston trip for there are always florists who seem to be lying in wait for him at the conventions with orders in their pockets.

John J. Stuppy of St. Joseph, Mo., and family, are in Chicago. Mr. Stuppy is on his way East and Mrs. Stuppy and children will visit relatives here during his absence.

The new gladiolus Myrtle, now on exhibition at E. C. Amling's is of a very attractive clear pink. It is grown by A. P. Bonvallet, Wichert, Ill., who expects to introduce it later.

Those who attended the funeral of W. F. Kasting from Chicago were George Asmus, Wm. J. Keimel, M. Barker and A. Ringler. Mr. Kasting was to have visited Chicago on his way home from St. Louis.

The store vacated by Lyon & Healy at Wabash avenue and Adams street is being divided into small stores and several florists are reputed to have signed leases. No one has been found who is willing to admit it at this time but it will probably house a flower store in the near future.

One of our enterprising nurserymen arranged with a department store a large exhibition of named peony blooms, for the ostensible purpose of giving pleasure and instruction. Both parties concerned are willing to take the sales that are sure to follow. This is a practical way of creating love for the big flowers and selling the plants and it is to be hoped more "commercial exhibits" will follow.

The John C. Moninger Co. is receiving some very gratifying letters from The Miller Floral Co., whose three steel houses they have just completed

at Farmington, Utah and Stephen Hyde, Carthage, Mo., who has received material for a house 84 by 600 in fine order. Their greenhouses being erected for Montgomery Bros., at Hadley, Mass., and for Van Allen at Newport, are progressing, and another eastern order just placed is for Russell Bros., Inc., of Syracuse, N. Y., calling for four houses, 21 by 125. Rudolph Kurowski says Houston is too far away for the Moninger Co. to send one of their model greenhouses but the firm will probably be represented there.

#### ST. LOUIS.

The florists of St. Louis received a great shock on Thursday, June 15th, with the announcement of the sudden death of Wm. F. Kasting. Mr. Kasting arrived here on Monday, June 12th, as a delegate from New York to the Democratic Convention. He paid visits to his friends in the trade on Wednesday in company with J. J. Beneke, Secretary of the Florist Club, visited the wholesale district and was apparently in good health and arranged an automobile trip to visit the trade on Thursday morning. That evening he took suddenly sick with heart trouble at the Maryland Hotel and died there on Thursday morning at 10.30. His remains were taken in charge of by his brother-in-law, Mr. La Tour, who came with Mr. Kasting and left for Buffalo that night. The Florist Club and the five wholesale houses wired floral emblems to be sent to the funeral.

#### CINCINNATI.

Chas. A. Moss, who was formerly in the Cincinnati Park Department under Reuben Warder and is now located at Spartansburg, S. C., was in this city recently.

Gus Adrian, Jr., and Miss Cora Pherson were married on the 17th. The first their family and friends knew of the marriage was the following day when they were leaving for the Che-naux Islands to spend their honeymoon at that place.

#### PITTSBURGH.

George McCallum and C. C. Phillips are planning for a two-weeks' fishing trip next month on the Cheat River, West Virginia.

Mr. and Mrs. E. H. McGrath left on Thursday to spend a week in Chicago, where Mr. McGrath, who is manager of the Blind Floral Co. has business interests.

Mr. and Mrs. William A. Clarke and Mrs. E. A. Williams were members of the Pittsburgh party which left on last week to attend the Knights Templar conclave in Los Angeles.

The Ludwig Floral Company sent an unusual floral tribute for the funeral of William F. Kasting. The piece was designed of white carnations in envelope form with the postmark, stamp and address in immortelles.

The advantages of featuring floral decorations is being more and more recognized by commercial firms. Last week the Joseph Home Co. observed its 2nd two-days' rose fete. Exquisite long-stemmed Beauties and Rambler Roses were used in tall wicker standards and festoons overhead with charming effect. The Kauffmann Co. initiated their 45th anniversary with the window adorned entirely with foliage plants and peonies. Ray J. Daschbach, manager of the floral department supervised the work of course.

Randolph & McClements were the floral decorators for a wedding which was the most picturesque event of its kind hereabouts. The church decorations were foliage plants, ferns and pink hydrangeas. White wicker standards surmounted by baskets of white peonies, with loops of rose satin ribbon marked the aisles. Ophelia roses, white orchids and orange blossoms formed the bridal bouquet. Large garden hats

FLOWERS BY TELEGRAPH

**SAN FRANCISCO**  
CALIFORNIA

**Pelicano, Rossi & Co.**  
123 KEARNY ST.

**HIGH GRADE PLANTS**

For Retail Stores a Specialty

ASK FOR LIST

**THOMAS ROLAND, Nahant, Mass.**

# PROFITS PROFITS PROFITS

## "HERE COMES THE BRIDE"

There's Money in June Weddings and June Graduations and Commencement Days for the Florist **WHO KNOWS HOW TO PLEASE.**

We can supply you with strictly up-to-date accessories, which you **must** have if you want to give satisfaction. Stock up now and have the goods to show customers. Send for prices and you will be astonished to see how much you can do with a little money when you go straight to headquarters—**THE FLORISTS' SUPPLY HOUSE OF AMERICA.**

# H. BAYERSDORFER & CO.

1129 Arch Street, PHILADELPHIA, PA.

overflowing with Dorothy Perkins roses were carried by the matron of honor and bridesmaids. The bridal table on the lawn enclosed the fountain in which bloomed water lilies, the table centerpiece being formed of pink hydrangeas. The other tables on the terraces held baskets of roses in combination with pink and white snapdragon and larkspur. The entire grounds were enclosed with a vine-covered lattice.

### WASHINGTON, D. C.

The July meeting of the Florists' Club has been postponed from July 4 to July 11, because of the holiday. William H. Ernest, chairman of the outing committee, will render a full report on the plans for the field day at Great Falls on July 19.

Mrs. M. J. McCabe, who is associated with her husband in the florist business in Anacostia, D. C., and who is in charge of their retail stand in the Center Market, has gone to Miami, Fla. Mrs. McCabe has not been in very good health, and her doctor has ordered a change of scene.

The blue laws which have long reposed on the statute books of Virginia are being rigidly enforced. Under the laws all unnecessary work on Sundays is prohibited. This means that deliveries of flowers cannot be made by florists here or in the state named without liability to arrest for violations.

William F. Gude was decidedly in the limelight last week when, with President Wilson, he was one of the central figures in the Preparedness Parade which caused the turning out of 60,000 people. It was a great day for Washington and in its honor all work was stopped. The florists closed their es-



FLAG DAY PARADE JUNE 14, WASHINGTON, D. C.

tablishments and only did that which would not hold over until the next day. There were more than two hundred in the company which carried the pennants of the Florists' Club of Washington, D. C. Each parader carried a flag and, in addition, each florist carried an American Beauty rose. The pennants were decorated with flowers. The committee had but a short time in which to get the florists together, but the representation was a good one and all who participated were well pleased.

### BOSTON.

R. E. Lassman of Waverley is retiring from business after many years of active participation in the florist trade. His greenhouses are now for sale.

Michael H. Norton has been confined to his home in Dorchester for the past ten days, suffering from a slight impairment of his usual good health. He is progressing satisfac-

torily and hopes to be out again in a short time.

Henry M. Robinson, Charles Robinson and William Penn were the guests of M. C. Lincoln over the holiday at the latter's Laconia, N. H., residence. Ostensibly, the party went to fish, but the results were far from satisfactory, both to those concerned and those who must listen to their reminiscent tale of woe.

The Florists' Bowling League will hold their annual picnic at Lake Boone, Hudson, Mass., on Sunday, June 25. A ball game and other athletic events, including a fat man's race, will be in order. J. Sloane is chairman of the executive committee, and those desiring to enjoy next Sunday as only florists can, will please communicate with him. The entire body will leave the flower market in autos at 9 A. M. sharp and will not return till late in the evening.

A Florist's  
Necessity

# HART'S HANDY HANDLE

Fits securely on any standard pot and by the use of a little chif-fon or ribbon gives you a Basket effect at a very small additional expense, increasing the price of your plants 100 per cent.

1	12 inches high, \$2.50 per doz.	4	24 inches high, \$5.00 per doz.
2	15 " " 3.50 " "	5	30 " " 6.50 " "
3	18 " " 4.00 " "	6	36 " " 9.00 " "

At Your Dealer's or Direct.

**GEO. B. HART, Manufacturer, 24 to 30 Stone Street, Rochester, N. Y.**

## PHILADELPHIA, PA.

EDWIN ARLO J. WELCH

## Tel. Fort Hall 1961-1965.

**In writing to Advertisers kindly mention Horticulture**

## Flower Market Reports

A careful review of market conditions during the past week will show that over seventy-five per cent. of the business is going through the regular June channels, viz., weddings, receptions, etc. These affairs have been very numerous in Boston during the past month and evidently reached their climax this week, as both retailers and wholesalers report a steady volume of business. Roses, Hadley and Ophelia especially, top the market as regards preference, and lily of the valley breaks all previous records for prices, bringing \$8.00 a hundred. The dull weather greatly shortened up the supply of this flower and curtailed the receipts of carnations in a marked degree. In the latter case it was perhaps fortunate, as there is practically no demand for carnations. Snapdragon is of excellent quality, but is moving slowly. Feverfew, as well, is stationary. Calendulas can be said to be lying dormant. Lilies are doing fairly well for this season and the same is true of sweet peas. Taken on the whole, the market is in a fair condition, with no troublesome surpluses to contend with and a strong, steady outlook for the coming week.

The market has been **BUFFALO** congested all the past week and the outlet blocked. Carnations were overplentiful and the height of the home-grown peonies was on. There was also a heavy supply of roses, lilies, sweet peas and out-door material. Saturday is usually looked for as a clean-up day, but the wholesalers were disappointed with the outcome. There were bargain signs galore amongst the merchants, though this helped but little. Floral work was lightly scattered.

A fairly steady demand **CHICAGO** uses up the greater part of the best grades of stock. There is a large quantity of inferior stock being cut now and what cannot be moved in the flower stores is apt to be seen at the street corners, where the customer is generally charged all that the flowers are worth. Cool weather has been favorable to producing plenty of the best grades of roses so commencement and weddings have been well taken care of. The American Beauty troubles are of the past with some of the large growers, for they are cutting daily some extra fine roses. Mrs. Russell rose is here in great quantities, medium and short stems predominating, of splendid color and the demand is good for June. Sweet pea growers, for the time, are cutting very few good flowers. Their soft condition has impaired their keeping qualities and there is not enough good stock in the market to fill orders. Carnations have not suffered with the temperature. There are plenty to be had but the demand for the divine flower is limited. Peony season is shortened by excessive rain and the same cause has lowered the quality of the crop as a whole. Sunburst roses are of splendid color, the deep shade being attributed to the cool nights.



## DELPHINIUM

In dark and light blues. Wonderfully attractive in any kind of work.

\$5.00 and \$6.00 per 100

## RAMBLER SPRAYS

Mostly Dorothy Perkins and Lady Gay.

\$5.00 to \$25.00 per 100 Sprays

## PEONIES

\$4.00, \$5.00 and \$6.00 per 100

## S. S. PENNOCK-MEEHAN CO.

The Wholesale Florists of Philadelphia

PHILADELPHIA  
1608-1620 Ludlow St.  
BALTIMORE  
Franklin & St. Paul Sts.

NEW YORK  
117 W. 28th St.  
WASHINGTON  
1216 H St., N. W.

## WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI June 19		CHICAGO June 19		BUFFALO June 19		PITTSBURG June 19	
<b>Roses</b>								
Am. Beauty, Special	35.00	to 40.00	20.00	to 25.00	20.00	to 25.00	15.00	to 20.00
" " Fancy and Extra	20.00	to 30.00	15.00	to 20.00	15.00	to 20.00	10.00	to 12.00
" " No. 1	10.00	to 15.00	10.00	to 15.00	10.00	to 15.00	6.00	to 8.00
Russell, Hadley	8.00	to 15.00	3.00	to 20.00	.....	to .....	4.00	to 12.00
Killarney, Richm'd, Hill'don, Ward	6.00	to 8.00	6.00	to 8.00	6.00	to 8.00	6.00	to 10.00
" " Ord.	3.00	to 5.00	2.00	to 4.00	3.00	to 6.00	3.00	to 4.00
Arenburg, Radiance, Taft, Key, Ex.	6.00	to 8.00	6.00	to 8.00	5.00	to 6.00	.....	to .....
" " Ord.	3.00	to 5.00	2.00	to 4.00	3.00	to 4.00	.....	to .....
Ophelia, Mock, Sunburst, Extra	6.00	to 8.00	8.00	to 10.00	.....	to 8.00	6.00	to 10.00
" " Ord.	3.00	to 5.00	2.00	to 6.00	4.00	to 6.00	3.00	to 4.00
<b>Carnations, Fancy</b>	2.00	to 3.00	2.00	to 3.00	2.00	to 2.50	.....	to 3.00
Ordinary	.....	to 1.50	1.00	to 2.00	2.00	to 2.00	1.50	to 2.00
<b>Cattleyas</b>	50.00	to 60.00	50.00	to 60.00	40.00	to 50.00	40.00	to 75.00
<b>Dendrobium formosum</b>	.....	to .....	.....	to .....	.....	to .....	.....	to .....
<b>Lilies</b>	10.00	to 12.50	8.00	to 10.00	6.00	to 10.00	8.00	to 10.00
<b>Lily of the Valley</b>	.....	to 5.00	4.00	to 6.00	4.00	to 6.00	4.00	to 5.00
<b>Daisies</b>	.....	to 1.25	.25	to 1.25	.50	to 1.00	.....	to 1.00
<b>Mignonette</b>	4.00	to 6.00	2.00	to 5.00	1.00	to 2.00	.....	to .....
<b>Snapdragon</b>	4.00	to 8.00	4.00	to 8.00	3.00	to 6.00	.....	to .....
<b>Peonies</b>	.....	to .....	4.00	to 6.00	3.00	to 4.00	2.00	to 6.00
<b>Gladioli</b>	4.00	to 8.00	8.00	to 10.00	3.00	to 6.00	6.00	to 8.00
<b>Calendulas</b>	2.00	to 3.00	2.00	to 3.00	1.00	to 3.00	.....	to .....
<b>Stocks</b>	2.00	to 3.00	1.00	to 3.00	1.50	to 3.00	.50	to 3.00
<b>Sweet Peas</b>	.50	to .75	.50	to 1.00	.50	to 1.00	.....	to .50
<b>Gardenias</b>	.....	to .....	10.00	to 15.00	10.00	to 15.00	.....	to .....
<b>Adiantum</b>	.....	to 1.00	1.00	to 1.50	1.00	to 1.25	.75	to 1.25
<b>Smilax</b>	15.00	to 20.00	12.00	to 20.00	15.00	to 20.00	12.50	to 15.00
<b>Asparagus Plu. &amp; Spren.</b> (100 Bhs.)	25.00	to 50.00	25.00	to 50.00	20.00	to 30.00	30.00	to 50.00

Business is good only at times. The supply is very large and meets with a very irregular demand. Prices as a whole are rather low although shipping business is holding up fairly well. American Beauties and other roses are in a good supply and excellent. Some very fine Ramblers are coming in. Gladioli meet with a ready sale. Lilies plentiful. Carnations in a heavy supply but of rather indifferent quality. Lily of the valley and orchids are having a very substantial call.

Slowly but surely the tide is falling in the flower business and unmistakable premonitions are seen and felt of that peculiar lassitude which is due to descend about this time on the entire wholesale flower trade district of New York. It is not quite the same in any other city that we

have ever had an opportunity to compare. The cut is getting smaller, the quality is growing poorer and general trade is falling off from day to day, and then after a while the bottom is reached and one might as well close up shop and steal away. The only excitement occurs when some buyer comes along in a frantic hunt for some special thing that is difficult if not impossible to find. Scarcely a day passes without some such episode. "Price is no object" then, but that does not help any when the goods don't exist, although they may have been in enormous abundance a fortnight ago. A strange business this is in its vicissitudes, irregularities and unforeseen episodes!

There has been a considerable improvement in trade conditions here. We seem to be

Continued on page 87

**H. E. FROMENT**

Wholesale Commission Florist  
Choice Cut Flowers

New Address, 143 West 28th St., NEW YORK

Telephone: 2200, 2201, Madison Square.

**MOORE, HENTZ & NASH**

Wholesale Commission Florists

55 and 57 West 26th Street

Telephone No. 756  
Madison Square

**New York**

**WM. P. FORD**

Wholesale Florist

107 W. 28th Street, NEW YORK

Telephone 5335, Farragut.

Call and inspect the Best Establishment  
in the Wholesale Flower District.

**GEO. C. SIEBRECHT**

WHOLESALE FLORIST

108 WEST 28th ST

CONSIGNMENTS SOLICITED

PHONE 608 (MADISON SQ., NEW YORK

**JOHN YOUNG & CO.**

WHOLESALE FLORISTS

53 WEST 28th STREET NEW YORK CITY

Consignments Solicited

Phone 7862 Madison Square

**THE KERVAN COMPANY**

Ferns, Mosses, Wild Smilax, Galax,  
Lencothoe, Palmetto, Cycas, both fresh  
cut and prepared.

Laurel, Hemlock, all Decorative Evergreens.

Tel. (583) Mad St. 119 W. 28 St., New York

**WILLIAM H. KUEBLER**

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

**M. C. FORD**

121 West 28th St., NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.  
Telephone 3870 Farragut.

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24 Stone St., Rochester, N. Y.

**RIEDEL & MEYER, Inc.**

Wholesale Commission

READY FOR BUSINESS

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**P. J. SMITH**

WHOLESALE COMMISSION FLORIST SELLING AGENT FOR  
LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes.

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**ALBANY CUT FLOWER EXCHANGE**

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.

WHOLESALE ONLY

SAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US

Prices Right. Consignments Solicited. Telephone Connection

HEADQUARTERS FOR NOVELTIES

**ORCHIDS A SPECIALTY**

THE HIGHEST GRADE OF VALLEY ALWAYS  
GARDENIAS, DAISIES, ROSES, CARNATIONS

JAMES McMANUS, TELEPHONE 105 W. 28th St., New York  
FARRAGUT 759

Centrally Located, The Hub of the Flower Market Section

**CHARLES MILLANG**

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WHOLESALE FLORISTS, 34 West 28th St., New York

Telephones 1084 (MADISON SQUARE

CONSIGNMENTS SOLICITED

NEW YORK QUOTATIONS PER 100. To Dealers Only

**ROSES AND CARNATIONS**

	Last Half of Week ending June 17 1916		First Half of Week beginning June 19 1916	
American Beauty, Special .....	20.00	to 25.00	20.00	to 25.00
" " Fancy and Extra .....	16.00	to 15.00	10.00	to 15.00
" " No. 1 .....	3.00	to 0.00	3.00	to 0.00
Russell, Hadley .....	3.00	to 15.00	2.00	to 15.00
Killarney, Richmond, Hillingdon, Ward, Extra .....	3.00	to 4.00	3.00	to 6.00
" " Ordinary .....	.50	to 2.00	.50	to 2.00
Arenburg, Radiance, Taft, Key, Extra .....	3.00	to 4.00	4.00	to 8.00
" " Ordinary .....	.50	to 3.00	1.00	to 3.00
Ophelia, Mock, Sunburst, Extra .....	4.00	to 8.00	4.00	to 8.00
" " Ordinary .....	.50	to 2.00	2.00	to 3.00
Carnations, Fancy .....	1.00	to 1.50	1.00	to 1.50
" " Ordinary .....	.50	to 1.00	.50	to 1.00

**WALTER F. SHERIDAN**

Wholesale Commission Dealer in

**CHOICE CUT FLOWERS**

133 West 28th Street, New York

Telephone—3532-3533 Madison Square

**WE ARE WHOLESALE FLORISTS**

We handle every variety of cut flowers.  
We have 22 years' experience behind us,  
and we do not expect a gold medal for do-  
ing our full duty by our consignors and  
customers. You cannot go very far wrong  
when dealing with us.

**GUTTMAN & RAYNOR, Inc.**

101 West 28th Street, NEW YORK  
Phones 2036, 2037, 558 Farragut

Frank H. Traendly

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**TRAENDLY & SCHENCK**

Wholesale Florists

436 6th Avenue, Between 26th and 27th Sts., New York

Telephones: 797-798-799 Farragut

Consignments Solicited

**WALTER R. SIEBRECHT CO.**

Incorporated

Wholesale Commission Florists

Orchids, Gardenias and Many Unusual  
Flowers of Quality.

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NEW YORK

**HENRY M. ROBINSON CO. OF NEW YORK**

WHOLESALE FLORISTS

55-57 West 26th Street

Telephones, 13-8510 Madison Square

MAURICE L. GLASS, Treasurer

Consignments Solicited

## Flower Market Reports

(Continued from page 865)

over the worst of the glut, including the peonies. What peonies are available now are mostly cold-storage and are bringing fairly good prices. Good roses are selling well, the leaders being American Beauty, Russell and Hadley. These three have held their quality better than most others all along the line. There has also been a good demand for Rambler sprays, and this still continues. Carnations are plentiful but the quality is nothing wonderful except in a few isolated instances. The lily glut is about over and these will be back to normal very shortly. Delphiniums in the free, graceful and showy forms, such as Belladonna, are quite a feature of the market and meet with much favor. They are a valuable addition and a bright spot just at this time of year. Sweet peas are still holding their own pretty well. The hot weather hasn't hit them yet. We haven't had any hot weather to speak of so far. Of course there are wagon loads of blue cornflower. They sell in large quantities, although at low figures, as there is nothing more chic and lasting for a boutonniere. Lily of the valley seems to be in good demand in some places but slow in others. Prices are above normal everywhere on this staple and indispensable article.

The wholesale cut flower ST. LOUIS market experienced a good month in both demand and consignments. Much was expected by the retailers for decorating work for the National Democratic Convention, and this with graduating work and weddings kept them quite busy and ended the season in glory. We have had plenty of rain and outdoor stock is looking good. This with cool nights has kept up the quality of the stock fairly well. The market contains plenty of roses. Carnations are still excellent. Lilies are up and so is lily of the valley. Sweet peas sell well at present time. Fancy ferns are scarce.

The June rush is WASHINGTON about over and the stores are beginning to feel the usual slack season of summer. There has been an oversupply of rain, punctuated with hailstorms that have been more or less damaging. The heated period is now at hand and stock is beginning to show the effects thereof. Sweet peas continue to be as good as have ever been seen in this market and hold ready sale. Lily of the valley remains scarce but is not in the great demand of early June. Roses from northern points are good and sell well. Peonies are still to be had although the local crop is about over with. Carnations are showing the effects of the weather and are very cheap. Water lilies are seen in every store. Cattleyas are more plentiful and selling better. Lilies are stagnant.

### PERSONAL.

Peter M. Rennie has accepted a position as gardener to Mr. H. F. Webster, Pen Craig Cottage, Newport, R. I.

Maurice Fuld is out of the Knight & Struck Company, and has opened an office in the Brokaw Building, New York City.

## PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

TELEPHONE MAIN 2698

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A.M.

## NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending June 17 1916		First Half of Week beginning June 19 1916	
Cattleyas	15.00	to 25.00	15.00	to 25.00
Dendrobium formosum	20.00	to 25.00	20.00	to 25.00
Lilies	2.00	to 4.00	2.00	to 4.00
Lily of the Valley	5.00	to 6.00	5.00	to 6.00
Daisies	.50	to 1.00	.50	to 1.00
Mignonette	1.00	to 2.00	1.00	to 2.00
Snapdragon	2.00	to 4.00	2.00	to 4.00
Peonies	.50	to 2.00	.50	to 2.00
Gladioli	2.00	to 4.00	1.00	to 4.00
Calendulas	1.00	to 2.00	1.00	to 2.00
Stocks	1.00	to 2.00	1.00	to 2.00
Sweet Peas	.15	to .75	.15	to .75
Gardenias	15.00	to 25.00	15.00	to 25.00
Adiantum	.50	to 1.00	.50	to 1.00
Smilax	10.00	to 12.00	10.00	to 12.00
Asparagus Plumosus, & Spreng (100 bunches)	15.00	to 25.00	15.00	to 25.00

## I Can Sell Them For You!

I have an unlimited market for your flowers, any variety, in any quantity. Prompt returns of sales on consigned goods. Ready cash when due. A clean record of twenty-eight years in the Cut Flower Commission Business.

Write for information or call and talk it over.

TELEPHONE  
167 & 3058 Farragut

**J. K. ALLEN**

118 West 28th Street  
NEW YORK

Established 1888

Tel. 551 Farragut

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Wholesale Commission Florists  
110 West 28th St., New York  
We Solicit Consignments of New  
England Grown Novelties.

## J. J. COAN, INC.

115 WEST 25TH STREET  
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EVERYTHING IN CUT FLOWERS  
CONSIGNMENTS SOLICITED

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Telephone 2618-2617 2616, Main.

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Cincinnati—Sam Seligman, New York; Jos. Molck, Jeffersonville, Ind.; H. Treadway, Dayton, O.

Washington, D. C.—Joseph J. Goudy, representing H. A. Dreer, Phila.; J. D. Meriwether, of Rording & Wood Nursery Co., Los Angeles, Cal.; I. Rosnosky, representing H. F. Michell Co., Phila.

Chicago—A. L. Glaser, Dubuque, Ia.; Thos. Franks, Champaign, Ill.; Richard R. Rollins, Des Moines, Ia.; S. W. Severance, Louisville, Ky.; N. J. Rentnik, Cleveland, O.; John J. Stuppy, St. Joseph, Mo.

## UNITED CUT FLOWER CO., INC.

Flowers Sold on Commission

Consignments of

Good Stock Solicited

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Wholesale Florist

Experienced, Progressive and can handle shipments of growers' product satisfactorily.

106 West 28th St., NEW YORK  
Tel. Farragut 3066.

STRAIGHT WHOLESALE ONLY

## FRANK MILLANG

CUT FLOWERS

55-57 W. 26th St., NEW YORK  
NO DESIGNS MADE UP

### CATALOGUES RECEIVED.

C. Kooyman, San Francisco, Cal.—Wholesale Catalogue of Dutch Bulbs.

Peter Henderson & Co., New York.—Midsummer Catalogue of Strawberry and Vegetable Plants, Seeds for Summer Sowing, etc. The fall-fruited strawberries Americus and Progressive make a tempting cover illustration in colors.

## ROBERT DYSART

CERTIFIED PUBLIC ACCOUNTANT

Simple methods of correct accounting especially adapted for florists' use.

BOOKS BALANCED AND ADJUSTED.

40 STATE ST. . . . BOSTON

Telephone Main 58.

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**DAHLIAS—Continued**

IF YOU INTEND growing Dahlias for cut flowers then you will make no mistake if you will try my assortment, especially selected for cut flower production. Three whites, 3 pinks, 1 red, 1 yellow, 1 lavender, 1 fancy; all field roots, labeled true to name; per 100, 10 of each kind, \$3.00; per 1000, 100 of each kind, \$25.00. 50 at 100 and 500 at 1000 rates. Cash with order. Guarantee entire satisfaction. If interested in Dahlias, then please send for my wholesale trade list of Dahlias.

MANNETTO HILL NURSERIES,  
W. A. FINGER, Prop., Hicksville, N. Y.

**NEW PAEONY DAHLIA**

John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to  
PEACOCK DAHLIA FARMS, Berlin, N. J.

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For page see List of Advertisers.

Woodrow & Marketos, New York City.  
For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.  
For page see List of Advertisers.

Thomas Roland, Nahant, Mass.  
High Grade Plants for Retail Florists.  
For page see List of Advertisers.

A. M. Davenport, Watertown, Mass.  
For page see List of Advertisers.

**DRACAENAS**

Dracaena Indivisa, nice plants, 4 in., \$10 and \$15 per 100; 5 in., \$20 and \$25 per 100. Cash. CHAS. H. GREEN, Spencer, Mass.

**EXCURSIONS**

Hudson Navigation Co., New York City.  
To the Heart of Lelsureland.  
For page see List of Advertisers.

**FERNS**

H. H. Barrows & Son, Whitman, Mass.  
For page see List of Advertisers.

**FERTILIZERS**

R. & J. Farquhar & Co., Boston, Mass.  
Pulverized Sheep Manure.

Pulverized Manure Co., Chicago, Ill.  
Wizard Brand Cattle Manure.  
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Hyper-Humus.  
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**FUNGICIDES**

Aphine Mfg. Co., Madison, N. J.  
Fungine.

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**GERANIUMS**

R. Vincent, Jr. & Sons Co.  
White Marsh, Md.

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Geraniums out of 3½ inch pots, \$7.00 per 100. Cash please. LEONARD COUSINS, JR., Concord Junction, Mass.

S. A. Nutt, R. C., \$10.00 per 1000; 3 in., \$5.00 per 100; 4 in., \$8.00 per 100. FRANK LEITH & SON, Haverhill, Mass.

**GERANIUMS—Continued**

Geraniums, 3½ inch, in bud and bloom, \$7.00 per 100. S. A. Nutt, Poitevine, Vinca Variegated, 4 inch, heavy, \$12.00 per 100. Cash. CHAS. H. GREEN, Spencer, Mass.

**GLADIOLI**

J. M. Thorburn & Co., New York City.  
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A. Henderson & Co., Chicago, Ill.  
Forcing Gladioli.  
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**GLASS**

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Parshelsky Bros., Inc., Brooklyn, N. Y.  
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Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

**GLAZING POINTS**

H. A. Dreer, Philadelphia, Pa.  
Peerless Glazing Point.  
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**GOLD FISH**

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish goods, nets, etc., wholesale. FRANKLIN BARRETT, Breeder, 4815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

**GREENHOUSE BUILDING MATERIAL**

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**GUTTERS**

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**HAIL INSURANCE**

Florists' Hall Asso. of America.  
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**HARDY FERNS AND GREEN GOODS**

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The Leo Niessen Co., Philadelphia, Pa.  
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**HOSE**

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Horticultural Importers and Exporters.  
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**writing to Advertisers kindly mention Horticulture**

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Wood Bros., Fishkill, N. Y.

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**DELPHINIUMS—RAMBLER SPRAYS  
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For page see List of Advertisers.**NEW BOOK****JUST ISSUED****Plant Propagation Greenhouse  
and Nursery Practice** By  
M. G. KAINS

So many discoveries of new facts by plant investigators, shortcuts and "wrinkles" worked out by plant propagators, and nursery, greenhouse and garden methods simplified or made more effective, have made books hitherto available on plant propagation out of date.

There has also been an insistent call for a volume that would not only include the character of information wanted by nurserymen and other plant propagators, but also discuss the subject of plant propagation from the standpoint of fundamental principles, and include the latest conclusions advanced by investigators throughout the world.

This new book by Professor Kains will appeal with equal force to the amateur, the professional propagator, and the teacher in agricultural colleges and schools.

The book devotes many pages to special plant lists and condensed directions for propagation of vegetables, fruits, annual and perennial flowers, bulbs, ferns, orchids, cacti, evergreens, deciduous trees and shrubs, vines, water plants, greenhouse and house plants and palms.

The table of contents includes: An introduction on general principles, germination, seed testing, potting, layerage, bottom heat, cuttings, classes of cuttings, graftage, and theories and laws, Daniel's experiments in graftage, tree stocks and scion handling, grafting wires and wound dressing, methods of grafting considered individually, budding methods, nursery management, and laws affecting nursery stock.

Illustrated 5 1/2 x 7 1/2 inches, 342 pages. Cloth. Price, net, \$1.50.

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WANTED—An intelligent middle-aged man who understands propagating, potting and general commercial greenhouse work. A good permanent job awaits the right man. Address "B," care HORTICULTURE.

WANTED—August 1st, an experienced double entry bookkeeper, female, familiar with the greenhouse business. Apply to MRS. WM. W. EDGAR, Waverley, Mass.

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SITUATION WANTED as outside foreman on large, private estate. Wages, \$60; board, room. "G. D.," care HORTICULTURE.

NURSERY SITUATION WANTED—As foreman; wide experience in all branches of the business; expert knowledge in all forms of propagation. References. Address FOREMAN, care HORTICULTURE.

SITUATION WANTED as Gardener Assistant, first, either inside or out. British, middle age; life experience in the business; married, no children. Thoroughly up in the routine of work and cultivation. Satisfactory references. "X. Y. Z.," care of HORTICULTURE.

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**FOR SALE—GREENHOUSE PLANT.** 7,000 sq. ft. of modern glass. Rebuilt four years ago. Steam heat. Good water power. Also one six room dwelling house with summer kitchen. Steam heat. Four acres of good garden. Fine location. Electricity pass door. One mile from Gardner business center (17,000 population) and surrounded by numerous smaller towns. Good place to grow flowers or cucumbers. Owner going out of business and will sell at a great sacrifice. CARL J. ERICKSON, River Side Greenhouses, Gardner, Mass.

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**MISCELLANEOUS**

WANTED TO LEASE, immediately, with privilege of purchase, about 12,000-15,000 feet of glass. Easy reach of Boston preferred. Particulars to EDE, Willow Street Greenhouses, West Roxbury, Mass.

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This fluid absolutely destroys all weeds and other growth wherever applied, and its effect on the ground prevents the growth of fresh ones for a year and thus saves a great deal of time and labor, as no cutting, hoeing or hauling away of the weeds is required.

We manufacture the strongest line of DISINFECTANTS on the market.

**P.-L. CHEMICAL CO., 507-509 W. 19th St., New York**

CORRESPONDENCE SOLICITED.

## A GOOD INVESTMENT.

The following letter, which has been received from the chairman of the National Flower Show Committee by all subscribers to the guarantee fund, tells its own story—a story that should make all true friends of horticulture feel happy:

Dear Sir:—The very gratifying results of the recent Fourth National Flower Show at Philadelphia, has enabled the committee, in behalf of the Society of American Florists and Ornamental Horticulturists, to return to the guarantors a 10 per cent. profit on the full amount of money subscribed to the guarantee fund, instead of 10 per cent of the amount paid as per call.

The immensity of the National Flower Show was such that we feel that thanks are due you as one of its supporters, and surely the object is being achieved when 100,000 people view the fruit of skill and labor of America's most prominent growers and merchants.

Philadelphia has received a horticultural benefit which could not be had by any other means. One-half million lines of reading matter was published in the newspapers and magazines, besides the paid advertising. More people paid admission to this show than at any two flower shows ever held in this country.

Again thanking you for your co-operation, which made this possible, we remain,

Very truly yours,

NATIONAL FLOWER SHOW COMMITTEE,  
GEORGE ASMUS, Chairman.

Chairman George Asmus, of the National Flower Show Committee, Secretary John Young and Treasurer W. F. Kasting, had a meeting in Buffalo on June 7 and 8, to audit the report of the Philadelphia show and it is promised that a complete and final report will be made in the course of a week or two.

## CLUB AND SOCIETY NOTES.

Southampton (N. Y.) Horticultural Society met on Thursday evening, June 1st. The Secretary reported the ten vases in the Art Museum Park filled with one exception. G. E. M. Stumpp kindly offered to fill that one, it being now out of the prize competition, which closed June 1. The chairman of the show committee reported fine progress in show matters. G. E. M. Stumpp offered a cup to be awarded as the Society shall think best. W. L. Jagger read a paper on Gardening: the Experience of an Amateur.

The annual rose show of the Nassau County Horticultural Society was held at the Nassau Country Club, Glen

Cove, N. Y., on June 15. Roses, peonies and other seasonable garden blooms were shown in profusion by members of the summer colony.

The principal rose exhibitors in competition were Harold Pratt, gard. Frank Johnson; Herbert Pratt, gard. Henry Gaut; John Pratt, gard. John Everitt; S. D. Brewster, gard. Harry Goodband, and W. E. Kimball, gard. James McCarthy. It was too early for the H. P. roses, but the Teas and H. T. were very fine. A nice table decoration was put up by Jos. Adler, gard. for Harvey Ladew. Prominent non-competitive contributors were C. F. Cartledge, gard. Wm. Noonan, and Mrs. J. F. Agre, gard. W. C. Jones, both of these receiving special honors.

The horticultural trades interests in Great Britain are urging that since the importation of foreign-grown bulbs, etc., has been forbidden by the government, the order should also as a matter of justice exclude the entry of cut flowers.

Philadelphia — Rupert Kieule, the well-known retailer at 17th below Market St., suffered a broken ankle from an auto accident on the 17th inst. He was taken to the Women's Hospital nearby.

## A ROCK GARDEN EXHIBIT.

We have had considerable to say about rock gardening of late because we believe it to be a department of garden art with a big future. Several good examples of such work have been shown at various exhibitions the past spring. The example which we illustrate on this week's title page was much admired by visitors, and considering that it was under a tent, with no background for a setting, it was well done. At the same place next year we have the promise of some elaborately constructed rock work in the open and with a setting of trees and other accessories.

## STEM ROT OF THE PEONY.

Referring to the query and answer on this disease appearing on page 819 of our recent issue, a successful peony raiser says that stem-rot is often brought about by the use of too much manure close to the stems. Avoiding this and adding careful observation, plus clean culture, he asserts that no trouble may be feared from stem-rot.

## BUSINESS TROUBLES.

Washington, Ia.—Mills Seed Co., voluntary petition in bankruptcy.

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**Suites \$4.00 up**

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## HARRY P. STIMSON

Formerly with Hotel Imperial

Only New York Hotel Window-Screened Throughout

## Obituary

### Charles B. Wetherby.

Charles B. Wetherby, florist, died at his home in Fulton, N. Y., on Saturday, June 10. He was fifty-seven years old and is survived by his widow, one daughter and one brother, William Wetherby, Oswego.

### E. Neubert.

The death is announced of Emil Neubert, whose name is connected with the lily of the valley trade of Hamburg. Mr. Neubert, who was 85 years of age, had been in his early years a member of the staff of Dippe Bros., the Quedlinburg seedsmen. About sixty years ago he went to Hamburg and established the nursery at Wandsbeck.

### Charles E. Shackley.

Charles E. Shackley, for many years engaged in the florist's business in Auburn, Me., passed away Monday night, June 12, at his home, 325 Turner street, after several months of painful illness. He was born in Dover, N. H., 68 years ago, and came to Lewiston with his parents when quite young. He carried on the florist's business at the Turner street greenhouses for many years. Mr. Shackley is survived by his wife, and two brothers, Horace of Lewiston, and Frederick of Boston.

### David H. Laney.

David Hobbs Laney, a pioneer florist of Woodhaven, New York, died Sunday, June 11, on his seventy-fourth birthday from a paralytic stroke, at his home, 1812 Woodhaven avenue, where he had lived for thirty-six years, and was for thirty-three years in charge of the Grosjean estate. He was born in South Warmboro, Hampshire, England, June 11, 1842, and had been in this country forty-six years. He leaves a widow, Hannah, and three grandchildren.

### Philip Edward Moon.

Private Philip Edward Moon, of the Seaforth Highlanders, was killed in action on April 28th, at the age of 19 years. He was a son of the late Henry Moon, the best flower painter of our day, and grandson of Mr. F. Sander, Bruges and St. Albans. The sympathy of many in the trade will go out to Mr. and Mrs. Sander and Mrs. Moon in their bereavement. His Captain, in a letter of sympathy, says: "Philip was a brave soldier and a good lad—one of the very best—and he has, for a long time, had our admiration and love. I will always treasure the memory of him; his great love of nature and his knowledge of flowers was so wonderful to us all."—*Horticultural Trade Journal*.

### Nicholas P. Kruchten.

Nicholas P. Kruchten, son of Mr. and Mrs. N. J. Kruchten, and secretary of the firm of N. J. Kruchten & Co., lost his life in an automobile accident at Lawrence avenue and the river, Chicago, on the night of June 13th. At first it was thought the machine, which was being driven at high speed, collided with the rail of

the bridge but later a defective wheel is regarded as the cause of the accident. Mr. Kruchten died almost at once and his two companions were seriously injured. N. P. Kruchten was 29 years of age and was in active charge of the growing end of the business at 5308 N. Western avenue, two brothers, John and Henry, having charge of the wholesale store in the Atlas block. Nicholas Kruchten also leaves a wife to whom he was married six years ago. The funeral was held from the home of his parents on Friday and interment was in Graceland cemetery.

### MASSACHUSETTS AGRICULTURAL COLLEGE.

Prof. A. H. Nehrling, head of the department, is to be married on June 29 in South Bend, Indiana. He will go to Colorado on his wedding trip.

The Department of Floriculture is closing up its work for the college year. With the reorganization of the work and the addition of new courses the department has been able to carry on its professional duties better than in the past. In order that the students may have practical experience to supplement the professional courses given by the college, the department endeavors to place men on private estates and commercial places during the summer vacation. This year the department has been able to place 14 men for the summer work.

A. S. Thurston, assistant in the department, is to teach the courses in floriculture to be given in the Summer School. Under the direction of A. S. Thurston the perennial garden has been enlarged and quite a number of new plants have been added. The garden at present includes a very representative collection of herbaceous perennials; it contains about 3,000 plants representing 450 species and varieties. The perennials are planted in large beds, each genus and species being correctly labeled. Although the garden is not planted for effect, but for educational purposes, it makes a very effective showing with its variety and succession of bloom against the background of green furnished by the wide grass walks.

### ST. ALBANS, ENGLAND.

A personal letter from Mr. F. Sander, Sr., of St. Albans, England, conveys the sad intelligence that his grandson has just been killed in action, to which Mr. Sander adds "His life was to me dearer than my own." Mr. Sander keeps closely in touch with events horticultural on this side of the water and is especially rejoiced over the great success of the big popular flower shows in this country and the rapid advance of commercial orchid growing, a condition which he predicted when he visited the United States some thirty years ago.



**NIKOTEEN**  
For Spraying  
**APHIS PUNK**  
For Fumigating  
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**NICOTINE MFG. CO.**  
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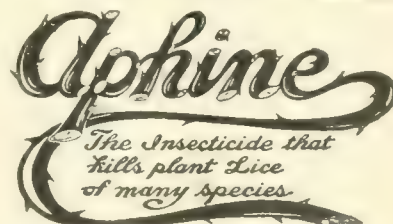
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Rich in Organic Matter, high in Nitrogen, carrying the valuable Nitrogen-Fixing Bacteria Pastenranium, which not only replenishes Nitrogen but renders available other valuable Chemicals in the Soil. Odorless and absorbs many times its weight in water giving valuable drought resisting quality to soil where it is used.

**BEST for GREENHOUSES, NURSERY, LAWN and GARDEN**

Price \$6.00 per TON in Bulk  
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The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$4.50.

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A 12% nicotine solution properly diluted for fumigating or vaporizing.

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Until further notice shipments on our products FUNGINE, VERMINE and SCALINE will be subject to conditions of the chemical market.

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**THE PULVERIZED MANURE CO.**

31 Union Stock Yards, Chicago



**IMP. SOAP SPRAY**

Is a scientifically prepared compound that is highly efficient for ALL insect pests. Why bother with several sprays when this will answer every purpose throughout the year?

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**EASTERN CHEMICAL CO., BOSTON**

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Pot Makers for a  
Century and a Half**HEWS****STRONG  
RED  
POROUS****POTS**World's Largest  
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.  
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue  
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A brand new Credit Association was organized June 17 at Atlantic City, N. J., with the makers of 90 per cent. of the pots used in this country, in attendance. Twelve potteries, located in the eastern section of the United States, were represented.

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10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
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40	14 in.	.65	7.00	56.00
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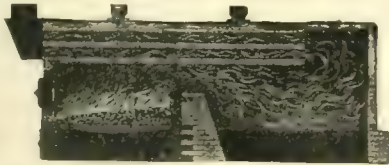
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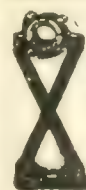
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Our organization is letter-perfect down to the minutest detail.

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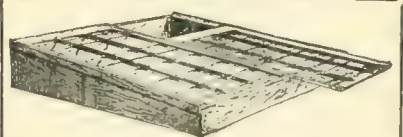
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So much for Chapter Number One.

Next came the curved eave with the gutter placed at the

sill. Here, indeed, was a radical departure. It greatly increased their attractiveness and put greenhouses in an entirely different class.

And now comes Chapter Three, the modified curved eave, which many of the gardeners endorse heartily. The gutter is back at the eave again and the continuous side ventilation sash restored. The curve above the gutter is enlarged giving increased height for the side benches.

It is really a cross between a curved eave and a curved eave house, with the combined advantages of both. We called it the Modified Curved Eave. It's the house we recommend your building. When you are ready to talk it over, say when and where, and we'll be there.



The Curved Eave Type.



The Modified Curved Eave.

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